GREAT LEADERS
HIRE
GREAT LEADERS.

FIND YOUR NEXT HIRE FROM OUR CLASS OF 2020
FINDING THE RIGHT PERSON FOR YOUR TEAM CAN BE A CHALLENGE

It’s a common problem. Your technical people don’t quite have the business acumen and leadership skills to contribute value to strategic decision-making and project management, and your business people don’t have the domain expertise to confidently lead technical teams and deliver results.

HIRE YOUR NEXT LEADER FROM UBC

What you need is a graduate of the UBC Master of Engineering Leadership (MEL) program. The UBC MEL is a hybrid master’s degree that bridges the traditional divide between technical and business skills.

Our students come to the program with an average of five to seven years of industry experience, and over the course of their degree they acquire the latest technical knowledge from world-renowned researchers while gaining foundational understanding of business leadership and strategy.

When you hire an MEL grad, you’re strengthening your team with a professional who is ready to step into challenging roles, lead multidisciplinary teams and help your organization thrive.

mel.ubc.ca/hire
SIMPLIFY YOUR RECRUITMENT PROCESS

Recruiting and hiring top talent can cost tens of thousands in recruitment fees, in addition to the considerable time and labour inherent in the process.

Save time and money – and simplify your recruitment process – by starting with a select pool of experienced professionals who have the skills, expertise and knowledge your organization needs.

MEL students specialize in the high-demand industry sectors of advanced materials manufacturing, clean energy engineering, dependable software systems, high performance buildings, integrated water management, naval architecture and marine engineering, and urban systems.

Get in touch to learn more and connect with your next hire.

EXPERIENCED ENGINEERING GRADUATES AVAILABLE FOR FULL-TIME EMPLOYMENT FROM JANUARY 2021.

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RECRUIT ENGINEERING LEADERS IN THESE SPECIALTIES

ADVANCED MATERIALS MANUFACTURING
CLEAN ENERGY ENGINEERING
DEPENDABLE SOFTWARE SYSTEMS
HIGH PERFORMANCE BUILDINGS
INTEGRATED WATER MANAGEMENT
NAVAL ARCHITECTURE AND MARINE ENGINEERING
URBAN SYSTEMS

mel.ubc.ca/hire
FIND YOUR NEXT GREAT HIRE.

Strengthen your team with a professional who can bring cross-functional technical and business expertise to manufacturing operations.

ADVANCED MATERIALS MANUFACTURING
BUILD YOUR TEAM FOR THE BETTER

Graduates of the UBC Master of Engineering Leadership in Advanced Materials Manufacturing are ready to help forward-thinking organizations develop the next generation of materials and products that will transform our world.

With their ability to develop and optimize materials for better performance, dexterity with process simulation tools, and business and leadership skills, our graduates can contribute to your organization in a diverse range of positions.

Learn more as to how they can add value to your team.

CLASS OF 2020

Hyeeyoung Choi
Madhur Motwani

mel.ubc.ca/hire
HYEEYOUNG CHOI
10682 155A Street. Surrey, BC, V3R 9X6

PROFESSIONAL OVERVIEW
Highly skilled Material Engineer experienced in manufacturing, evaluating and researching a wide range of structural metallic components of power generation, iron and steel making, marine engine and petrochemical equipment. Currently, enrolled in UBC’s Master of Engineering Leadership program, specializing in Advanced Materials Manufacturing, and business fundamentals.

AREAS OF COMPETENCIES
- Product Line Management
- Optimizing Manufacturing Process
- Quality Management & Improvement
- Risk Assessment & Mitigation
- Research on metal materials
- Customer Technology Service
- RCA (Root Cause Analysis)
- Assessing Heat Treatment Process
- Digital Factory
- Establishing Material Database
- Data Analytics (Tableau)
- MS Office
- AutoCAD
- ABAQUS
- Ansys
- Thermo-Calc
- Deform & Jmat-Pro
- MAGMA
- Anycasting

OVERVIEW OF QUALIFICATIONS
- 5+ years of dynamic experience with managing the manufacturing process, planning and implementing the schedule by dealing with the bottleneck process.
- Notably improved the quality of products from 5% to 1% and cut down the operating expenses by optimizing the process with the material engineering background and computer simulation skills.
- 7+ years of specialized experience with solving the ongoing issues in the manufacturing process and developing the improved materials along with customer’s changing needs.
- Enhanced professional business acumen and skills in analyzing financial statements, making a differentiating strategy, managing operations, conducting marketing analysis.

EXPERIENCE
PRODUCTION LINE MANAGEMENT ENGINEER
Doosan Heavy Industries & Construction Co., Republic of Korea
Dec/17-Mar/19

Key Role:
- Accurately conducted the root cause analysis as to the current issues such as quality failures and took countermeasures to prevent the quality problem and implemented them successfully.
- Analyzed the detailed cost of product and quality issues, published the reports weekly, and suggested beneficial tactics to maximize profitability, productivity and efficiency.
- Dealt with customer’s technology claims by providing a wide range of solutions based on expertise and field experience as well as seek a new market and investigate customer’s needs.
- Independently led a wide range of manufacturing management activities and mutually collaborated with different teams to reduce the production cycle time or improve the product quality.

Achievement: Solved the ongoing product issues such as quality problems, the cost structure, customers’ claims, and market research and spearheaded the diverse management activities successfully to improve productivity and efficiency.
MANUFACTURING ENGINEER
Doosan Heavy Industries & Construction Co., Republic of Korea

Key Role:
- Devised the digital factory platform initiatively for the renovation of the manufacturing system by communicating with the field workers mutually with an openness and cooperation skill.
- Based on the digitalized field data, analyzed and managed the process in real-time such as resource input status, inventory management and product process flow.
- Organized the process schedule of each product in classifying, mixing and prioritizing them carefully according to the specification, which results in increased productivity and profitability.
- Optimized and improved the existing process by reducing or eliminating the unnecessary process through theoretical and experimental verification process.

Achievement: Contributed to setting up the digital factory and optimized the whole process by managing the bottleneck process and reducing the potential risk factors through proactive risk-taking.

MATERIALS RESEARCH ENGINEER
Doosan Heavy Industries & Construction Co., Republic of Korea

Key Role:
- Solved the problems such as fracture or crack of material and shortage of mechanical properties with analytical thought, computer simulation skills and experimental tools
- Evaluated the new process and designed the production process to meet the customer’s needs including mitigating the potential risk resulting in quality problems.
- Developed the new materials reflecting on the changing customers’ need and investigated the competitors’ strength and weakness so presented the appropriate recommendations
- Educated the employees with the fundamental material background and consulted with them by providing useful knowledge.

Achievement: Developed the innovative material and manufacturing process for steel components and provided comprehensive solutions for handling the current issues.

EDUCATION

Master of Engineering Leadership (Advanced Materials Manufacturing)
University of British Columbia, Vancouver, Canada
- Advanced Materials Manufacturing covers the overall manufacturing process of diverse materials.
- Key courses included: Material Optimization for the Manufacture of structural metallic components; Advanced Composite Materials; Nanofiber Technology

Master of Metallurgical Engineering
University of Yonsei, Seoul, Republic of Korea

Bachelor of Metallurgical Engineering
University of Yonsei, Seoul, Republic of Korea

RESEARCH

RESEARCH ENGINEER
Material Research Team, Doosan
- Presentation: “Application of FEM for Preventing the Quenching Crack of Large Forging”, 19th International Forgemasters Meeting, Japan (2014)

GRADUATE STUDENT
University of Yonsei
- Master Thesis: “Study on Crystallization Behavior of Ge$_2$Sb$_2$Te$_5$ by Using In-Situ Electrical Resistivity Measurement” (2007)
PROFESSIONAL PROFILE

Adaptable and Agile business development professional with training in mechanical engineering and a passion for sustainability and energy efficiency. Team player with a track record of delivering business transformation related objectives. Currently pursuing MEL in Advanced Materials Manufacturing, specialising in materials optimisation. Interested in pursuing in a result driven business enabling role and driving impact.

SUMMARY OF QUALIFICATIONS

Strongly Enhanced Professional Technical Skills by pursuing Master of Engineering Leadership degree in UBC-Vancouver, sharpening my skills in financial modelling, materials optimization and simulation. Vice President for the Advanced Materials Manufacturing Pillar. Further deepened business skills by analysing financial statements linking it to strategy as well as acquiring new skills in data visualization, data analytics.

EMPLOYMENT

UBC Sustainability Initiative and Township of Langley May-20 to Aug-20

- Interviewing key jurisdictions and local builder community, creating datasets and analysing results to drive insight generation and inform recommendations.
- Provided recommendations regarding implementation pathway for Part 3 (Non-Residential) Step Code Adoption and Implementation.
- Carry our literature review survey regarding emerging trends-GHGi & Embodied Carbon.
- Analysed Case Studies of Successful implementation of Step Code for Part 3 Buildings.

L&T Hydrocarbon Engineering (LTHE), Sharjah, U.A.E Jan-15 to Sep-19
Graduate Commercial Engineer & Executive – International BD

- Preparing Cash Flow Forecast Reports for tenders in UAE, Oman & Qatar
- Assisting Commercial Manager in Strategic Planning and Budget Formulation.
- Contributed to project wins for medium/large scale onshore upstream project.
- Business Acquisition and CRM for all business verticals - onshore, offshore, technology solutions, fabrication, construction solutions.
- Registered, qualified and lead proposals for 30 different specialized engineering services.
• Prepared Pre-Qualification for wins in small, medium and large-scale projects.
• Full Ownership of Maintaining Central List of All major project leads for the entire global business of the organization.

EDUCATION

University of British Columbia, Canada                Jan-20 to Present
Master’s in Engineering Leadership in Advanced Materials Manufacturing
  • Organizational Leadership
  • Strategy & Innovation
  • Advanced Nanofibre Technology
  • Advanced Modelling & Simulation
  • Business Acumen for Technical Leaders

University of Manchester, United Kingdom    Sep-10 to Jun-14
Master of Engineering in Mechanical Engineering (with Honours)

KEY PROJECTS

Data Analytics Project: Adam’s Ale
Data Analytics Project using Tableau Desktop 2020 R1 in order to visualize the state of drinking water around the world. Project encompassed and amalgamated multiple themes centred around water conservation, water availability, water stress, population growth, water borne public health issues in order to issue policy advisories for governments to invest in water conservation techniques and initiatives in order to save water for the upcoming generations.

Modelling of a Transient Heat Conduction Problem
Modelling of a Transient 1D Heat Conduction Problem- Using ABAQUS Software Package simulated a 1D Transient Heat Conduction problem in order to determine the temperature distribution across a 20mm & 2mm computational mesh.

Life Cycle Analysis for Automotive Lightweighting
Assessment of a Mid-Size Automobile for Lightweighting potential and suggesting the optimum material from a list of candidate alloys. Criteria includes reducing greenhouse gas emissions, lightweight and adhering to company designated system design specifications.

SKILLS

Software Competencies
Data Science Certifications, NI LabVIEW, Abaqus, ANSYS CFX, Tableau Desktop, Solidworks, ANSYS Fluent, CES Edupack 2019, Artificial Intelligence for Leaders.

Leadership
Vice President for Advanced Materials Manufacturing – 2020-2021
Pricewaterhouse Coopers Certificate for Presentation Skills – 2013
FIND YOUR NEXT GREAT HIRE.

Add value to your organization with a professional who can apply their cross-functional technical and business expertise to generate sustainable energy solutions.

CLEAN ENERGY ENGINEERING

mel.ubc.ca/hire
BUILD YOUR TEAM FOR THE BETTER

Graduates of the UBC Master of Engineering Leadership in Clean Energy Engineering are ready to step into a range of professional roles in clean and renewable energy engineering to support the growth of the clean energy industry.

A Clean Energy Engineering graduate has the multidisciplinary technical expertise needed to address evolving clean and renewable energy demands, and the business skills to collaborate with internal and external stakeholders in creating a more sustainable energy future.

Learn more as to how they can add value to your team.

CLASS OF 2020

Mat Akbari
Emma Bowman
Sonali Das
Eugene Eweka
Yaoyao Hu
Shikhar Kumar
Jason Lam
Carlie Owen
Matthew Primeau
Drew Puffer
Abhijeet Singh
Harshil Trivedi
Robin Watts

mel.ubc.ca/hire
Mat Akbari
https://www.linkedin.com/in/mattiakbari/  e.mmakbari@gmail.com  778 (898) 3003

Professional Profile

Eight years of Project Manager/ Business Consultant experience in business and project requirements analysis, planning, implementation, improving and closing of projects and operations management with a deep understanding of teamwork, leadership styles, and project business management concept which are sharpen through participating in Master of Engineering Leadership at the University of British Columbia.

Success Highlights

Team building – Created the university robotic team from scratch, gathering people & specialization needed for, won 4th, 5th place of international Japan, and Mexico competitions in two years, and a series of national and regional rescue robot competitions

Leadership Development – Master of Engineering Leadership (UBC) - Project Management Professional Practice

Agile Methodology Implementation – Cut WIP by 50% by eliminating extra duties in the backlog through redefining the process using scrum method

Market Analysis – UberEco business analysis & Project planning (Capstone Project)- being part of Creative Destruction Lab (CDL)-West program at UBC - Decreased losses by gathering and analyzing information regarding the market conditions which resulted to plan and implement the Exit strategy for two big construction firms, prevented losses of 5$ million (Ariya P)-

Profitability increase & Continuous Growth (lean Methodology) - Increased the profitability by 250 % in 3 years by designing of more than four different types of robot in two years

Analysis & Presentation – Analyzed and Presented the emission of the Fossil Fuel Combustion Engine for Paris 2018 agreement project with Tableau Software

Experience

Project Manager- APMcert
Canada, Vancouver
- Attained up to 18% more productivity on time and labor, while managed conflict by implementing a new project management web-based software for a plumbing Firm
- Analyzed the problems associated with launching new products of a firm during the COVID-19 pandemic – Market analysis and project planning Uber Eco (Capstone Project)

Project Manager & Consultant- ViraKHP
Iran-Tehran
- Led a team of 25 programmers & mechanical engineers to develop all STEM robotics software & kits locally
- Led up to 8 people with different expertise and developed more than 5 type of robots in less than 2 years
• Created the firm’s business plan, used the business pallet to choose the best strategy to align with the firm, and market conditions (SWOT analysis, porter’s 5 forces) (consultancy)
• Expanded & Prioritized different businesses (10 to 3 business activities), increased efficiency (50% less labor) and profitability by using the growth-share matrix principle
• Hired Junior Project managers, trained and enhanced their capability for leadership, planning & cost control, risk management, and conflict management through the weekly session

Project Coordinator/PM assistance- AiyaP
Iran-Tehran
• Designed, Developed, and implemented a new human interface, increases the rate of data transfer by 55% (building new TCP/IP platform from scratch), Changed lap top based station (Sony UX laptop by FPGA)
• Built a team to investigate the alternative solutions for map creation in an emergency situation, resulting in a map creation software by using a laser range finder device (URG04lx)
• Designed and lead a team to build a robotic ambulance to use in emergency, biohazard and war condition

Part-Time Consulting
• Used operation researched concept to maximize the efficiency of heavy-duty machines by 23.5% In terms of working hours
• Built a central system to allocate different resources to different projects, increased the efficiency of heavy-duty machines (Availability hours) by 20 % (in terms of working hours), less working hours (Human resources), and increased profitability by 25 %

<table>
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<tr>
<th>Skill Sets</th>
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<tbody>
<tr>
<td>• Project Management Professional (PMP)</td>
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<td>• Certificate of contractor and consultant competency from Tehran Governor</td>
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<tr>
<td>• Tableau Software Desktop (UBC Course)</td>
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<td>• MS Project, Excel, Office, Visio</td>
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<td>• Microsoft .net framework, C++, C#</td>
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<td>• PADI DM, CMAS Instructor</td>
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<table>
<thead>
<tr>
<th>Education</th>
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<tr>
<td>Master of Engineering Leadership (The University of British Columbia, BC)</td>
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<tr>
<td>UBC Sauder School of Business</td>
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<tr>
<td>• Business Acumen for technical leaders</td>
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<tr>
<td>• Organization leadership</td>
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<td>• Analytical &amp; interpretation</td>
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<tr>
<td>• sustainability and leadership</td>
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<td>• Creative destruction Lab</td>
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<tr>
<td>B.E. in Industrial Engineering (IAUFB, Tehran, Iran)</td>
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<tr>
<td>• Operation Research</td>
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<td>• Control project</td>
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<tr>
<td>Project Management Professional (PMP)</td>
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<td>MBA (two Semester-withdraw)</td>
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CORE COMPETENCIES

- Well-rounded skillset of clean energy, business, and technical analysis founded on a background in mechanical engineering (University of Toronto) serves me to take on the challenge of the sustainable mitigation of climate change.
- Continuous learner tackling Life Cycle Assessments, renewable energy feasibility studies, energy policy, business topics, and data visualization projects in the Master of Engineering Leadership (MEL) in Clean Energy at the University of British Columbia.
- Strong communicator and technical writer from professional experience in consulting and operations in the nuclear power industry working under strict budgetary, time, and regulatory constraints.
- Project leadership and management skills demonstrated by success of fourth year capstone project in Nicaragua, teaching experiences, and my work package owner role at Ontario Power Generation.

EXPERIENCE

CAPSTONE STUDENT | ENERGY REVOLUTION SERVICES | SEPTEMBER 2020-PRESENT

- Preparing a business model viability assessment to determine if an alternate pricing model for solar panel installations can be competitive in the BC energy market.
- Using RETscreen and other analysis tools to perform sensitivity analyses.

ASSOCIATE ANALYST | KINECTRICS NSS | SEPT 2016-JUNE 2019

- Assisted with Probabilistic Core Assessments. We used probabilistic data models to predict fuel channel degradation and provided recommendations to clients taking into consideration nuclear safety regulations, budgetary, and time constraints. Client meetings and deliverables occurred in alignment with plant outage schedules.
- Participated in the review of the province of Ontario’s Nuclear Emergency Response Plan. Reviewed governmental regulatory documents, synthesizing information on international practices pertaining to nuclear safety. The report was presented to diverse audiences including NGO’s, the government of Ontario, and to Nuclear utilities.

ENGINEERING INTERN | ONTARIO POWER GENERATION | MAY 2014-AUG 2015

- Commended the Work Package owner role for STEM and CT-LISS inspection Campaigns: Project oversight of inspection work provided by CANDU Energy Inc. Managed timely completion of deliverables and time sheets to optimize performance and complete projects under-budget.
- Carried out a systematic approach to technical problem solving to resolve a design inadequacy impacting nuclear safety. Troubleshooting included procedure revisions, on-site investigations, equipment overhaul, and human performance adjustments. Presented results to upper management for evaluation and approval in a report and PowerPoint presentation.
DESIGN TEAM LEADER | UNIVERSITY OF TORONTO | AUG 2015-APR 2016

- Lead a team to design and fabricate a braking system for a windmill in Nicaragua. Evaluated design alternatives based on their ability to meet cost, ease of construction, and reliability stakeholder objectives and provided updates to client John Shoust, founder of the “Winds of Change” foundation. Traveled to Nicaragua in January 2016 to successfully complete the construction and won the MIE design competition.

ENGINEERING SUMMER STUDENT | AMEC NSS | MAY 2013- AUG 2013

- Prepared and verified input files for and assisted with running MAAP (Modular Accident Analysis Program) simulations for uncertainty analysis and presented MAAP data outputs and Fission Product releases

EDUCATION AND TRAINING

MASTER OF ENGINEERING LEADERSHIP | 2020 | UNIVERSITY OF BRITISH COLUMBIA

- A hybrid program combining courses from the Faculty of Applied Science & the Sauder School of Business. I am building skills to innovate and drive change in the clean energy sector.
- Courses include: Sustainable Energy Systems, Topics in Business Administration, Energy Policy, Business Acumen for Technical Leaders, Analytics and Interpretation

MECHANICAL ENGINEERING | 2011-2016 | UNIVERSITY OF TORONTO

- Department of Mechanical Engineering and Engineering Business Minor, with honours

ADDITIONAL EXPERIENCE

DATA VISUALIZATION (VOLUNTEER) | CLEAN ENERGY BC | 2020

- Worked with the client to create visualizations of the geolocations and status clean energy projects developing in British Columbia using Tableau software for use on the organization’s website: https://www.cleanenergybc.org/clean-energy-projects-bc

NORDIKIDS NORDIC SKI INSTRUCTOR | HARDWOOD SKI & BIKE | WINTER 2018-2019

- Prepared and executed weekly ski lessons for kids aged 6 to 10 in both skate and classic techniques.

TEACHING ASSISTANT, ORIENTATION TO ENGINEERING | UNIVERSITY OF TORONTO | 2015-2016

- Devised and facilitated tutorials to supplement lecture material for first year students and evaluate student engagement in course material for their final course grade.

EXTRA-CURRICULAR ACTIVITIES & ACHIEVEMENTS

- Triathlon – member of team Canada in Age Group World Championships in Lausanne, Switzerland 2019.
- Winner of the Capstone Design Competition in my Mechanical Engineering Class of 2016
- Pianist: Virginia Taylor scholarship, Royal Conservatory Grade 9 and Grade 2 theory.
- Treasurer for the Master of Engineering Leadership program at the University of British Columbia
Sonali (Sony) Das
sonalidas83@gmail.com | 778.321.6981 | [https://www.linkedin.com/in/sonali-das-25b6b5b9](https://www.linkedin.com/in/sonali-das-25b6b5b9)
Vancouver, Canada, V6T 2C8

SUMMARY
- Studying Master of Engineering Leadership in Clean Energy Engineering at the UBC.
- Thirteen years of engineering manager experience in utility power generation, energy projects and procurement.

SKILL SET

**Procurement**
- International competitive bidding
- Government procurement
- Open, Limited and Single tender bid preparation to award
- Vendor management
- Invoking
- SAP MM module
- Vendor negotiations

**Engineering**
- Utility power plants, steam boilers & turbines
- Water treatment plant
- Hydropower plant
- Network Management
- IP based CCTV cameras
- Energy audits
- Management systems audit (ISO & OHSAS)
- Inventory planning

**Computer Skills**
- Proficient in MS office
- SAP-ERP
- RET Screen
- GHG Genius
- DDCMIS Man Machine Interface (MMI)
- Internet Information Services (IIS)
- C++
- HTML

PROFESSIONAL EXPERIENCE

1. **NTPC Limited**, New Delhi, India August 2005 – July 2019
   A Central Government Public Sector undertaking in power generation sector, [www.ntpc.co.in](http://www.ntpc.co.in)
   Experience in Procurement, Project management, Operations & Maintenance, Erection, and Testing & Commissioning of power plants:

   (a) **Procurement Manager (Contracts & Materials)**
       October 2017 – July 2019
       Rammam III Hydro Electric Power Project, (120 MW), India
       - Purchase orders awarded and management of Package contracts- approx. value 400 thousand USD
       - Management of package contracts for barrage, powerhouse and tunnel
       - Receipt, inspection, inventory management & traffic of spares and machinery.
       - Vendor standardization and development

   (b) **Procurement Manager (Contracts & Materials)**
       April 2016 - October 2017
       Sipat Super Thermal Power plant, (2980MW), India
       - Value of Purchase orders awarded - approx. value 3 million USD
       - Responsibilities included but not limited to , receipt and screening of purchase orders, shortlisting of vendors, creation of bid documents, inviting tenders, opening of technical/price bids, price comparisons and compliance to bid terms, negotiations, preparation of award documents, follow up for timely receipt of materials, arrangement of logistics, opening of letter of credit, payment of custom duties and wharf charges, receipt and inspection of materials, addressing disputes for damaged goods or wrong supply, invoicing and contract closing.
       - Identification of suppliers and certifying new ones, managing vendor relations
       - Responsible for International procurements; Major Clients, Power Machines Russia, Doosan South Korea, Velan Valves Canada, Bilfinger Rotring Germany, New Terra USA, Samshin Limited South Korea, KSB Germany, Toshiba Japan and many Indian major government companies
       - Coordination between the project and Head Quarter for all urgent purchase activities
       - Hosting and managing large scale vendor meet/ conferences

   (c) **Operation & Maintenance Manager (Control & Instrumentation Maintenance)**
       July 2015 - April 2016
Sipat Super Thermal Power plant, (2980 MW), India
- In-charge of Control & Instrumentation Lab
- Calibration and repair of field measurement instruments and master gauges from accredited laboratory
- Working towards NABL accreditation (National Accreditation Board for Testing and Calibration Laboratories India)

(d) Operation & Maintenance Manager (Control & Instrumentation) 

Operation & Maintenance Deputy Manager (Control & Instrumentation) 
March 2010 - Feb 2013

Operation & Maintenance Assistant Manager (Control & Instrumentation) 
Oct. 2006 - Feb. 2010

Ramagundam Super Thermal Power plant, (2600 MW), India
- Maintenance, overhauling and troubleshooting of control system, DAS (Data Acquisition System) including servers and workstations and measurement instruments.
- Maintenance of Steam and water analysis system.
- Implementation of quality practices and ensuring occupational health & safety and compliance to all statutory requirements
- Installation and management of 150 camera IP based CCTV network
- Coordinator of Quality circles, Professional circles and Performance improvement projects.
- Formulation of annual maintenance and service contracts and management thereof. approx. value 430 thousand USD
- Member of tender committees to evaluate techno-commercial bid and contractor/vendor management.
- Inventory management and classification including material planning, initiation & follow-up of purchase contracts.
- Post Award contract execution and closing including preparation of budget and monitoring of expenditure.

(e) Executive Engineer (Power plant) 
August 2005 - Oct. 2006 Power Management Institute, New Delhi, India
- Trained in all aspects of thermal & hydro power plants and framework of energy sector

EDUCATION
- University of British Columbia, BC, Canada 
  Master of Engineering Leadership in Clean Energy Engineering 
  January 2020 – expected December 2020
- Symbiosis Center for Distance Learning (SCDL), India 
  Post Graduate Diploma, Information Technology (PGDIT) 
  October 2010 – December 2012
- Rajiv Gandhi Technical University, India 
  Bachelor of Engineering, Electronics & Instrumentation Engineering 
  August 2001 - July 2005

PROFESSIONAL CERTIFICATION
- STQC Directorate, Ministry of Communication & Information Technology, Government of India, Certificate in Laboratory Quality Management System as per ISO/IEC 17025: 2005 
  2016
- Birla Institute of Management Technology, India 
  Foundation Course in General Management 
  2014
- Trained in Total Quality Management, DMAIC and Six Sigma, Improving processes to enhance customer satisfaction by utilizing quality tools 
  2014
- Trained Internal Auditor for Management Systems 
  2013
- Power Management Institute, India 
  Training in Leadership for Women Executives 
  2012
- Project Management Certification Institute 
  Certified Associate in Project Management (CAPM) 
  2011
EUGENE ERASOGIE EWEKA
930 W 57th Ave, Mobile: 416-827-0884
Vancouver, BC V6P 1S3 Email: sogie.eweka@yahoo.co.uk

EDUCATION QUALIFICATION

University of British Columbia, Canada
In view

Master of Engineering Leadership (M.E.L)- Clean Energy Engineering.
  • MBA Sauder School of Business -Business Acumen for technical leaders
  • Studies done on Energy Policies, Sustainable Energy Systems, efficiency and conservation
  • Data Analysis using Tableau Software and Excel.

Sir Sanford Fleming College, Canada
2016- 2017

Graduate Technical diploma - Resources Drilling Technician (Current Program name)
  • Possess Knowledge of relevant legislation/regulations/Acts like the Occupational Health & Safety Act, Environmental Protection Act and related legislation.
  • Performed Mechanical maintenance, rig start ups and circuit checks on a wide variety of equipment.

Covenant University.
2009- 2013

Bachelor of Science in Industrial Physics – Renewable Energy (85% class average)
Second class Upper (2/1) (Honours)
  • Applied quantitative and qualitative research skills, evaluating cost, numerical analysis, real analysis and mathematical statistics for renewable Projects.
  • Participated in Group projects involving solar energy storage and Environmental sustainability. Applied Mathematics and Physics principles in solving World Technical Energy challenges for photovoltaic power systems, gas and mineral resource industry.

ENGINEERING / TECHNICAL EXPERIENCE

Link-on Communications (Various Drilling Contracts)- York Region  Nov 2018-Feb 2020
Directional Driller/Locator – Main line - Ditch Witch System (JT 20)
  • Ability to read locate maps. Drilling with Ditch Witch and Vermeer systems as well as Tracking systems. Planned bore path activities for horizontal drilling of Fibre Optic.
  • Promote Company’s Health, Safety and Environment rules at work sites.
  • Participated in Fibre technology projects used in telecommunications and brained stormed with electrical and field Engineers on site to get work-done.

Dryden, Battleford and Vancouver Project - (Power lines and Telecommunications Lines)
Directional Driller/Locator – Main line and drops (Fibre to the Home).
- Operator when required (Vermeer 24 x 40, 9 x 13 and 10 x 15). Ability to read locate maps. Plan bore path activities for horizontal drilling of Fibre Optic cable conduits for Saskatchewan telecommunication lines Canada enhancing Trenchless technology.
- Promoted Health, Safety and Environment rules at work sites.

CUSTOMER / CLIENT SERVICE EXPERIENCE

Leave the Pack Behind – Anti-Smoke Cessation Program July 2016- April 2017
Green Environmental Project - Reducing CO₂ Footprint in the Environment
Campus Program Coordinator – Frost Campus (Fixed term)

1. Program Planning
- Attended bi-weekly teleconferences and contribute to a province-wide team of Campus Program Coordinators on how to cut down smoking habits with teens in Canadian Colleges in Ontario.
- Represented the Leave the Pack Behind brand with honesty, integrity, and professionalism

2. Team Training and Management
- Managed a team of student ambassadors and volunteers (includes filling-in in the event of a team member absence). In addition, recruit and organise training days for student volunteers.
- Ensured all team members followed Leave the Pack Behind’s policies and procedures.

3. Administration
- Managed payroll and oversaw operational and salary budgets
- Liaised with campus departments to create partnerships

Benson Idahosa University, Nigeria Oct 2013 – Dec 2014
Graduate Assistant / Researcher - Department of Animal Science and Technology
- Involved in part time research and performed simulations of gas condensate.
- Proof-read science-related research principles interpret results to senior lecturers.
- Supported Department Head with administrative duties using Microsoft Office and tools
- Developed excellent communication skills through conducting presentations.


CERTIFIED TRAINING
- Eligible to register with Engineers and Geoscientists BC as well as P.Eng.
- Leadership in Energy and Environmental Design- G.A achieved & LEED AB+C- In view
- First Aid CPR – Canadian Red Cross & Six Sigma (White Belt)- Aveta Business Institute.
- Energy Transition: Innovation towards a low carbon future - IFP School (Total Inc)
- Innovation in Operation Management - University of Derby (Online 2015)
- Electrical Safety and Awareness + Fall Arrest – Occupational Safety Group
- Ontario Class DZ Licence (BC Class 3 equivalent) and willing to Travel.
PROFESSIONAL OVERVIEW
Master’s degrees in the field of clean energy and management engineering and bachelor’s degree in field of environmental science. Very accomplished and proactive 7 years of experience related to international clean energy projects, policy planning of GHG emissions reductions, project planning and management. Currently enrolled in UBC’s Master of Engineering Leadership program, specializing in Clean Energy Engineering, and business fundamentals including accounting, marketing strategy and innovation, project management, interpersonal skills and organizational leadership.

SUMMARY OF QUALIFICATION
- Experienced in energy conservation, emission reduction planning, and innovational strategy making for reduction of GHG emission. Comprehensive research and analysis ability in current carbon capture and storage technology, various CCS technology with sensitivity analysis.
- Strongly enhanced professional technical skills by pursuing Master of Engineering Leadership degree in UBC- Vancouver and broadened knowledge of Sustainable Energy systems, Life Cycle Assessments for GHG emission and climate change impact.
- Vastly enhanced professional business skills in analyzing financial statements, formulating strategies, managing operations & marketing, presenting data analytics (tableau) while honing leadership skills.
- Well-rounded skill set in interpersonal communication, conflict resolution, and honed talents in comprehensive research and environmental policy planning.
- Expert capabilities in collaboration and communication with variety of staff and stakeholders to manage multiple competing priorities and project deadlines, including a keen attention to detail and accuracy.

WORK EXPERIENCE
China Environment Publishing Group (under the Ministry of Ecology and Environment of the People’s Republic of China), Beijing, China, 07/2013-12/2019

1. Participated planning and implementing in significant project of China’s Policies and Actions for Addressing Climate Change, Organized by the Ministry of Ecology and Environment of the People’s Republic of China, and got outstanding performance as:
   - Participated in the major preparation of the negotiation process under the United Nations Framework Convention on Climate Change (UNFCCC)
   - Innovated corporate energy and emissions reduction strategy with realistic consideration
   - Made important support for carbon capture and utilization and storage (CCUS) technology
• Proactively promoted the Construction of Carbon Market reform in the trading mechanism for Chinese Certified Emission Reduction (CCER) of GHG gases
• Enhanced the construction of GHG statistical and accounting system efficiently leading to reduction of GHG emissions

2. Participated in the international clean energy projects management of hydropower station projects in southeast Asia as a general manager assistant.

3. Involved in international hydropower station projects with General Manager in the Philippines Timbaban:
   • Acted as an important role of interpreter and assistant of General Manager
   • Successfully Supervised the whole project progress and overall planning
   • Performed accurate project environmental risk assessment for Hydropower station construction
   • Creatively established an international culture and English training course for domestic staff to engage in international business; conducted business training for oversea staff with different backgrounds
   • Developed thoughtful a risk management plan on the systematic analysis in management engineering combined with contract and project bidding documents;
   • Comprehensively analyzed on project risk in safety, cost, and progress due to the international cultural differences

4. Edited and published environmental related articles.

SKILLS

• Accounting
• Data Analytics (Tableau)
• Climate changing reaction planning
• Project & Program Management
• AACE Planning & Scheduling Professional
• CadSoft Design/Build
• International copyright trade
• Publication edits
• Life Cycle Assessment (LCA)
• Risk Assessment & Mitigation

EDUCATION

Applied Science, University of British Columbia (UBC)
MSc in Master of Engineering Leadership in Clean Energy Engineering
Expected Graduation December 2020
This major trains clean energy experts who have the technical understanding of entire industry value chain, from energy generation, transmission to energy policy and sustainable energy to develop innovative solutions that minimize environmental impact, promote geopolitical stability and enable economic diversification with the business insight and interpersonal skills.

College of Education and Information Sciences, Long Island University, C.W. Post Campus (LIU)
MSc in Management Engineering GPA: 3.047
09/2009-05/2012

School of Population Resources & Environment, Shandong Normal University (SNU)
BSc in Environmental Sciences Grade: 83%
09/2005-07/2009
Overview
Experienced professional seeking challenging assignments and responsibilities, with an opportunity for growth and career advancement as successful achievements. Worked as an Applications Engineer with a Master’s in Electrical Engineering. Advanced analytical and interpersonal skills and the ability to articulate easily with all levels of an organization.

Education

University of British Columbia, Vancouver, Canada
• Master’s in Engineering Leadership in Clean Energy & Sustainability

Northeastern University, Boston, USA
• Master of Science in Electrical & Computer Engineering

Birla Institute of Technology, Mesra, India
• Bachelor of Engineering in Electrical & Electronics Engineering

Coursework

Experience
City of Vancouver, BC Canada. May 2020-Sept 2020
Greenest City Scholar (Internship)
• Investigated barriers to existing home electrification. Focus was on single family dwellings in Vancouver that have insufficient electrical panel capacity to support full electrification. I determined the typical amperage of common electrical appliances and which electrical appliance impacted electrical capacity. Finally, calculated the cost associated with service upgrade in order to meet the increasing load demand.
• Looked into opportunities for homeowners to upgrade their electrical system and informed them about potential rebate program and other utility incentives that will help to curb the cost of upgrades.
• Researched potential technological solutions which can be deployed at home to manage the load capacity without going through a full service-upgrade.
• Developed a public-facing final report for City of Vancouver. The final report will be used to supplement the Zero Emission Building Retrofit Strategy scheduled for City Report date in November 2020 and will also be used in homeowner renovation support tools.
Reflex Lighting, Boston USA
Applications Design Engineer
- Work closely with Engineers, specifiers & architects to design lighting & control system. Utilizing high proficiency in the use of Auto-Cad, REVIT & AGi32 to create one-line diagrams, risers, wiring diagrams & Lighting Calculation.
- Review/ verify system design, schematics, and drawings keeping in mind the applicable building codes i.e. ASHRAE 90.1 2016 & IECC 2015. Iterate system designs to match cost to budget. Providing technical expertise in sales presentations product demonstrations. Developing internal tools and ways of working for use on customer projects.
- Extensive training with Eaton Lighting & Eaton Connected System. Also, troubleshooted and advised on corrective action for projects in the post-handover phase.

National Thermal Power Corporation of India Ltd, Kahalgaon, India. June - July 2010
Trainee/Intern
- Gained insight about full operations of a power plant and all its department and in-depth training at Electrical Maintenance Dept. and Switchyard. Assisted Senior Engineers in monitoring and Troubleshooting various issues related to relay setting and other electrical instruments.

U.P Power Transmission Corporation Ltd, Kanpur, India May - June 2011
Trainee/Intern
- Learned about the transmission system for the state of U.P India especially at 400 KV, 220 KV and 132 KV substation system. Monitored various inspection errors, equipment malfunction, testing anomalies, report the non-conformance, carry out NC analysis and prevent/minimize from recurrence

Academic Projects
Design of the Carbon Footprint Calculator
- Developed a matlab code to design a carbon calculator to calculate the net CO2 emission by a Northeastern University Student and methods to reduce their carbon footprint by 10%.

Design of Power Electronics Controller in a conventional Grid connected PV System.
- Designed a Boost and Sepic converter and their controllers against performance specifications for optimal performance using the concepts of small signal approximation and control system design principles. Supported the design with analysis and simulated it through matlab.

Technical Skills & Interests
- Computer Software: Auto-Cad (Electrical);  REVIT(MEP);  SKM Power Tool; Microsoft Office;  BLUEBEAM (Revu);  familiarity with PVSYST; Tableau; Matlab
- Excellent technical troubleshooting skills, proficiency with field and laboratory test equipment.
PROFESSIONAL SUMMARY

Professional environmental engineer currently enrolled in the Master of Engineering Leadership program in Clean Energy Engineering with a passion for renewable energy and climate change. Engineering experience involved conducting field work, collecting field data and samples, interpreting and comparing analytical results to guidelines and report writing. Interested in pivoting my career to industries that will create positive economic, environmental and social impact through sustainable energy systems and energy policy.

SUMMARY OF QUALIFICATIONS

- Highly skilled in working in multi-disciplinary projects to ensure all project deliverables are met with exceptional craftsmanship within both budget and time.
- Notably enhanced professional technical skills by pursuing Master of Engineering Leadership degree in UBC-Vancouver and broadened knowledge of Life Cycle Assessments, Sustainable Energy systems, and Energy policy.
- Greatly enhanced professional business skills in organizational leadership, formulating strategies, presenting data analytics (tableau) while honing business skills.
- Registered Professional Engineer under Engineers Geoscientists Manitoba.

PROFESSIONAL EXPERIENCE

Junior Environmental Engineer, EIT  
SLR Consulting (Canada) Ltd., Winnipeg, MB  
Oct 2014 – May 2019

Fieldwork involved groundwater, surface water, and/or soil sampling for contaminants of concern at various fuel stations, pipelines, aboriginal communities, and/or commercial facilities.
- Collected and documented field data through site sketches, hydraulic conductivity testing, horizontal and vertical surveying, and sample collection.
- Compiled field data into excel spreadsheets, compared analytical results to federal and provincial guidelines, and identified trends in concentrations of contaminants of concern.
- Authored multiple Phase II Environmental Site Assessment reports encompassing the scope of work, background, methodology, referenced guidelines, and recommendations.
- Project manager for over 30 fuel station sites, duties involved developing scopes of work, coordinating field work, ensuring health and safety compliance, budgeting and billing.
- Collaborated with a team of engineers, scientists, operators, and contractors throughout the planning, execution, and reporting for multiple projects.
AREAS OF COMPETENCIES

- Energy & environment
- Life Cycle Assessment (LCA)
- Energy Policy
- Team Leadership & Development
- RETScreen Expert
- Project management
- Environmental Site Assessments
- gINT
- Data Collection
- Data analysis & interpretation
- Microsoft Office
- Microsoft Excel
- Zoom Video Communications

CERTIFICATIONS

Tableau Desktop Certified Professional Certification, Tableau Software 2020 – Present
Professional Engineer, Engineers Geoscientists Manitoba 2019 – Present
Engineer-in-Training, Engineers Geoscientists Manitoba 2014 – 2019

EDUCATION

Master of Engineering Leadership (Clean Energy Engineering) 2020 – Present
University of British Columbia, Vancouver BC
- Clean Energy Engineering covers life cycle assessment, sustainable energy systems, energy storage, energy distribution networks, and energy policy.
- Courses are taught with an emphasis on teamwork with group projects and interdisciplinary collaboration in the UBC Sauder business courses.
- Composed research literature on nuclear power and waste disposal options.
- Conducted a comparative life cycle analysis (LCA) study on onshore and offshore wind turbines.

Bachelor of Science in Biosystems Engineering (Environmental Specialization) 2008 – 2013
University of Manitoba, Winnipeg, MB

VOLUNTEER EXPERIENCE

Event Organizer Jan 2013 – Dec 2019
Chipdamage.com, Winnipeg, MB
SUMMARY OF QUALIFICATIONS

- Analytical competency demonstrated through clean technology research for the University of British Columbia, LCA studies conducted and technical capstone project
- Strong communication has been bolstered through 4 years as an engineering consultant, indirectly managing 12 distributors from 3 companies and a diverse customer portfolio
- Self-motivation and superior work ethic exemplified by achieving academic success during the Covid19 pandemic and by 4 years of remote engineering work
- Ability to achieve technical mastery through quick learning, shown through rapid career progression from sales engineer to field engineer within 3 years
- Business acumen and sustainability technical understanding built through the rigorous Clean Energy Engineering masters at UBC

EDUCATION

Master of Engineering Leadership in Clean Energy Engineering
Anticipated Graduation December 2020
University of British Columbia Vancouver, BC
- Broadened understanding in Clean Technologies to include energy generation, storage, efficiency, and policy
- Sharpened business acumen through Sauder Business School courses in data analytics, organizational leadership, strategy & innovation, global environmental politics, sustainability & leadership, and creative destruction lab
- Composed research literature on hydrogen fuel cell and carbon capture technologies, in addition to work regarding policy implications on climate action
- Conducted a comparative life cycle analysis (LCA) study on Vancouver waste management and its alternatives

Bachelor of Science in Industrial and Systems Engineering
University of Florida Gainesville, FL
Minors: Business Administration, Sales Engineering

WORK EXPERIENCE

Capstone 2020 Biomaterials Research Intern
Sept 2020 - Present
Vancouver, BC
- Research assessing circular economic options for biomaterials, specifically bioplastics
- Analyze the techno-economic benefit of assessed the end of life technologies
- Conduct 5 to 10 industry interviews to understand available end of life (EoL) technologies and gauge the EoL considerations within the biomaterials industry
UBC SEEDs Intern
June 2020 - August 2020
Vancouver, BC
- Researched the thermal energy storage technologies available for UBC to aid in the goal of carbon neutrality
- Engaged with thermal energy storage providers for technology insights and quotes, thus providing the university with tangible budget expectations
- Composed an analytical report, providing a thorough go forward approach for campus thermal energy storage

Field Engineer: ExxonMobil
Mar 2019 - Dec 2019
Washington, DC
- Enhanced customer experience through engineering service work providing $12 million in documented in productivity savings to the customer
- Managed the execution of technical objectives at 13 lucrative accounts to add value beyond the product
- Acted as a technical mentor to 4 Sales Engineers in the Northeast Region to bolster sales
- Worked cross functionally with specialists, marketing and leadership to enhance customer experience
- Advanced engineering technical skills through continued learning trainings

Industrial Sales Engineer: ExxonMobil
July 2016 - Mar 2019
Pittsburgh, PA
- Managed a $32 million oil and grease sales territory, consisting of 15 salesmen in 3 states
- Surpassed sales targets year on year amounting to $2.14 million in sales revenue
- Promoted growth in the power generation focus area by gaining business at hydro, wind, coal, and natural gas power plants
- Arranged pipeline meetings to coach 50 distributors through the sales process
- Organized regional team meeting including 35 colleagues based across the U.S. with the goal of promoting effective team collaboration

TRAINING
- RETscreen Expert workshop for familiarization of key environmental analysis tool, 2020
- GHGenius workshop to improve understanding of LCA analytical tools, 2020
- GE Gas and Wind Turbine Training broadened understanding of engineering challenges and solutions, 2019
- Karrass Negotiation Training improved professional negotiating techniques, 2018

INVOLVEMENT
- Vice President of the Clean Energy Engineering Cohort 2020
- ExxonMobil Women’s Information Network Member and Mentee
- American Foundation for Suicide Western Pennsylvania Chapter Volunteer

SKILLS
- Computer: Tableau, Microsoft Excel & Power Point, GHGenius, RETScreen Expert
Profile

Matthew is a Masters of Engineering Leadership student who is passionate about environmental sustainability, entrepreneurship, and innovation. He has comprehensive interpersonal and technical skills which he developed from his diverse range of experience within project management, consulting, start-ups, freelance work, and NGOs. He is highly motivated, self-guided, and relentlessly optimistic.

Skills


Work Experience

Energy Project Lead
Airo.Life Energy
February 2019 – November 2019 | Hamilton, ON.
- Experience growing an early stage start-up company
- Created and delivered pitches to angel investors
- Oversaw development of solar roof prototype
- Business planning, grant applications, financing, networking, and liaison for university partnership
- Helped launch a successful crowd-funding campaign on Indiegogo for $50,000 USD

Track and Civil Design Engineer-In-Training
AECOM
August 2016 – October 2018 | Mississauga, ON.
- Worked on large design team supervised by P.Eng.
- Used AutoCAD to design plans, profiles, and details for light-rail track alignments and civil structures
- Notable projects: Montreal LRT, Hamilton LRT

Junior Civil Project Manager
J.W. Contracting
May 2015 – August 2015, May 2016 – August 2016 | Whitby, ON.
- Helped manage civil and telecom projects in GTA
- Attended project bid walks, surveyed job sites, priced materials, wrote progress reports, scheduled timelines, coordinated with subcontractors, and assisted in early jobsite mobilization
**Education**

**Master of Engineering Leadership (MEL), Clean Energy Engineering.**
University of British Columbia  
January 2020 – Present | Vancouver, BC  
- Vice President of Clean Energy Engineering student cohort  
- Student Participant in Creative Destruction Labs West  

**Engineers Canada – Sustainability In Practice**  
Polytechnique Montréal  
Completed December 2018 | Online

**Bachelor of Engineering (B.Eng.), Architectural Conservation and Sustainability Engineering**  
Carleton University  
September 2011 - April 2016 | Ottawa, ON  
- Focus: Sustainable Construction, Green Buildings, Urban planning, Civil Engineering Design  
- Capstone: conceptional adaptive re-use of historic pulp-mill in downtown Ottawa

**Projects, Organizations, Volunteering**

**Co-Founder, Chief Operations Officer**  
Scrapless  
March 2020 – Present | Vancouver  
- Co-founded and current Chief Operations Officer of a Food Waste Prevention Startup in Vancouver  
- Participant in the League of Innovators and E@UBC Accelerator programs  
- Experience includes: managing a team, hiring interns, building and operating strategy, road mapping, business planning, pitching, grant writing and fundraising.

**Freelance Content Writer**  
Brave New Matt Blog  
January 2019 – Present | Online  
- Topics of focus include: philosophy, mindfulness, self-growth, environmental sustainability  
- Writing has been featured in notable online publications such as: The Ascent, Good Men Project.  
- 2000+ Readers on Medium & 12,000+ Followers across social media (Instagram, Tik Tok, Facebook)

**Co-Founder, Campaign Manager**  
Humans of Global Engineering  
March 2016 – Present | Online  
- Co-Founder and Manager of an annual National Engineering Month social media campaign

**Chapter President, Distributed Team Leader, Volunteer**  
Engineers Without Borders Canada  
May 2015 – April 2018 | Ottawa, ON  
- Chapter President of EWB Carleton University Chapter  
- Volunteer within the Engineering Change Lab

**Foundering Co-Chair, Member**  
Whitby Federal Youth Council  
September 2016 – September 2017 | Whitby, ON
Drew Puffer

Results-oriented, award-winning environmental professional with intense career experience in environmental consulting. Renewable energy engineer completing a Master of Engineering Leadership (MEL) in Clean Energy Engineering at the University of British Columbia. Expert manager with the proven ability to lead teams and deliver outstanding results.

AREAS OF EXPERTISE

- RETScreen Expert
- Tableau Desktop
- Project Management
- GHGenius
- Microsoft Office
- Zoom Communications
- Life Cycle Assessment
- Environmental Assessment
- Innovation Development
- Construction Management
- Dad Jokes & Puns
- H2S, WHIMIS, TDG & First Aid
- Professional Agrologist in Training

PROFESSIONAL BACKGROUND

ENVIRONMENTAL TECHNICIAN/PROJECT MANAGER 2016 – 2019

BOWRON ENVIRONMENTAL GROUP, CALGARY, AB

- Establish project scope, budget, necessary resources, and identify relevant regulatory guidelines.
- Hire, lead, and evaluate teams of 10+ staff.
- Direct projects across all phases, including Phase I, Phase II, Phase III ESAs and reclamation.
- Research new technologies and equipment to improve efficiency and safety of work. Adopted drones to capture site characteristics and document progress of reclamation/remediation projects.
- Design monitoring programs at landfills and natural gas facilities to comply with regulatory requirements.
- Drive QC & QA including engineering requirements, duplicate sampling and regulatory checklists.
- Liaise between clients, landowners, contractors, regulators, technical staff and crew members to streamline communications and ensure integrity and continuity of efforts.
- Perform ad hoc and regular technical reporting on environmental assessments including field screening results, laboratory analysis, likelihood of impacts, regulatory framework and proposed course of actions.

Key Contributions:

- Achieved 25% revenue increase by streamlining Phase 1 ESA site visits.
- Achieved 30% revenue increase by refining Phase 2 ESA sampling procedures.
- Promoted to Project Manager after 2 year.
- Recognized with company safety award for outstanding commitment to safety in the field.

EDUCATION

MASTER OF ENGINEERING LEADERSHIP (CLEAN ENERGY ENGINEERING) 2019-PRESENT

UNIVERSITY OF BRITISH COLUMBIA, VANCOUVER, BC

- President of the social committee.
- BC Hydro Program Management Optimization Capstone.

BACHELOR OF SCIENCE (HONOURS - ENVIRONMENTAL SCIENCE - WITH DISTINCTION) 2013-2016

UNIVERSITY OF WINDSOR, WINDSOR, ON

- Deans honour role.

OPEN STUDIES

MOUNT ROYAL UNIVERSITY, CALGARY, AB
Summary of Qualifications

- Highly skilled and experienced in renewable energy consulting, including energy consumption evaluation, techno-commercial project evaluations, project costing, and execution of solar power and energy efficiency projects.
- While working with Bosch Limited, I availed the opportunity to enrich project execution and report writing skills such as oversee timelines, implement safety practices, and team dynamics.
- Strongly enhanced business and technical skills by pursuing a Master of Engineering Leadership degree at UBC Vancouver and broadened knowledge of sustainable energy systems, strategy and innovation in business, entrepreneurship, and organizational leadership.
- Experience in consulting Government departments for renewable energy, energy efficiency, and policymaking.

Areas of Expertise

- Renewable Energy Consulting
- Increase Sales
- Sustaining Key Accounts
- Project Management
- Facility Energy Evaluation
- Strategic Planning
- Project Costing
- Managing Sales Life Cycle
- Exceeding Customer Goals

Experience

Researcher – Energy Efficiency
SHARC™ International Systems Inc, Port Coquitlam, British Columbia
Sep 2020 – Present
- Research on phase change material (PCM) for reducing the size of the system and increase efficiency.
- Evaluation of the primary greenhouse gases saving from the installation of SHARC™ heat recovery system.
- Designing a reliable energy storage solution for powering heat-recovery system.

Assistant Manager
Bosch Limited, New Delhi, India
April 2016 – Sep 2019
Sales & Business Development
- Heading business development of solar power on-grid and energy efficiency projects in North India.
- Recorded project acquisition worth $ 7 Million CAD that resulted into 11% of the overall turnover of department.
- Managed key accounts (companies) and providing consultation on renewable energy technologies. Such as Honda Motors, Suzuki Motors, Motherson Sumi, Volvo Group, GKN Driveline India etc.
Providing technical consultancy and energy evaluation reports for clients.
- Prepare costing sheets for the projects and techno-commercial offer.

**Project Execution Experience**
- Managed 5 roof-top on-grid solar plant projects. Ranging from 50 kWp to 800 kWp.
- In the area of energy efficiency, worked as a project manager for two air source heat-pump projects, 120 kWth: Volvo Group and Heat Pump 60kWth: Honda Motorcycle.

**Manager (Marketing)**
**Solken Powergen Corp, Mohali, Punjab, India**
- Dec 2014 – March 2016

- Sales and installation of residential solar modules, inverters, solar water heaters and heat pumps.
- Acquired product sales of $ .4 Million CAD in Total.
- Supervise the installation and commissions of the products. To ensure quality exaction of the project.
- Meet customers to explain technical functionality and usage. Enable customer to trust product.

**Education**

**Master’s in Engineering Leadership**
**Clean Energy Engineering**
**University of British Columbia, Vancouver, BC, Canada**
- Jan 2020 – Dec 2020 (Expected)

- Enhanced technical knowledge on modeling, evaluation, and analysis of renewable energy, energy storage, energy efficiency technologies.
- Business acumen skills from Sauder Business School courses in data analytics, organizational leadership, strategy & innovation, global environmental politics, sustainability & leadership, entrepreneurship, and organizational leadership

**Bachelor of Engineering (Electronics and Communication)**
**Rayat & Bahra Institute of Engineering & Biotechnology**
**Affiliated to Punjab Technical University, Jalandhar, Punjab, India**
- June 2010 – June 2014

- Grade: First Division

**Awards/Letter of Appreciations/Certificate**
- Senior Professional Certificate in First Aid (Dec 2018): From St. John Ambulance & Red Cross Society
- Awarded Energy Star at Bosch limited. (SEP 2018): For the extra work done apart from the ambit of my roles and responsibilities
- International Youth Conference – Mauritius (Oct 2013): Represented Republic of India
Harshil Trivedi

2767 Alamein Avenue        Tel: +1 236 971 0334
Vancouver                    harshil273@gmail.com
BC V6L 1S1                     https://www.linkedin.com/in/harshil-trivedi-004903110/

Project Management Professional with a verifiable track record in the domain of business development & project management in the energy sector. Currently enrolled in UBC’s Master of Engineering Leadership program, specializing in clean energy engineering & business acumen (graduating in Dec 2020)

PROFESSIONAL HIGHLIGHTS

• 10 years of professional experience at various capacities in power project EPC business
• Successful in getting breakthrough orders from South-East Asia, Middle-East regions, secured Heat Recovery Steam Generator projects worth 20 million USD
• Expertise in conducting a conclusive techno-commercial discussion with customers; experience in cost estimation, project management & customer management
• Technical knowledge of Power plants, thermal design, heat & mass balance, equipment efficiency and ASME codes
• Proactive in identifying & resolving problems, ramping up project activities with on-time deliverables and cost optimization

CAPSTONE PROJECT

• Capstone project on a biomass energy feasibility study for first nations with Community Power (ongoing)
• Technical assessment of using a biomass district energy system in the Nation. Evaluation of GHG emission reduction & carbon offset, financial analysis for prospect investment

WORK EXPERIENCE

Larsen & Toubro Limited (Power), India         2010 - 2019
Marketing and Proposal Manager: 2016 - 2019

• Marketing & Proposal Manager for heat recovery steam generators (HRSG) for gas-based power projects, fertilizer complexes, oil & gas projects
• Business development in the Middle-East and South-East Asia regions, prospect tracking, customer relation, pre-qualification & technical marketing
• Lead commercial negotiations & contract finalization along with technical bid closure
• Conducted feasibility of bids, contract assessment for potential risks & opportunities
• Prepared cost estimation and cash flow projection for financial analysis
• Vendor development for project prospect, offer evaluation and negotiations with suppliers
• Experience in dealing with leading EPC companies and engineering consultants
Technical Project Lead: 2015 - 2016
- Technical project lead for HRSG project (120 MW) in Thailand as a primary point of contact for technical and commercial matters
- Ensured project progress & engineering completion on schedule and change order management

- Tender review, proposal preparation and scope finalization, GA & P&ID review, BOQ generation, costing and post-bid clarifications
- HRSG design including thermal sizing, heat balance calculation, boiler geometry and pressure parts sizing,
- ASME code calculation, detail engineering and drawing generation for steam drums
- Preparation of RFQ, vendor offer evaluation and vendor document review

Project Engineer: 2010 - 2011
- Package execution for power cycle piping of alloy & carbon steel material for 2x384 MW combined cycle power plant project
- Expedited fabrication at sub-vendors’ workshop & coordinated for quality, logistics and code stamping of HRSG

EDUCATION

Master of Engineering Leadership in Clean Energy Engineering (graduating in 2020)
University of British Columbia, Vancouver, BC
Key courses: Energy efficiency, Sustainable energy & storage, Energy Policy, LCA

Bachelor of Engineering (Mechanical)
Gujarat University, India

CERTIFICATION

Project Management Professional
PMP no. 2787425, Valid till July 2023
Project Management Institute, USA

Fundamental course on Power Plant and Simulator Training
National Power Training Institute (NPTI), India

Software: Microsoft Office, Tableau, AutoCAD
Accomplished and result oriented Project Manager with experience in construction, installation & maintenance of various electrical systems. Passionate about dynamics of energy sector and motivated to generate social impact while achieving sustainable development. Currently enrolled in UBC’s Master of Engineering Leadership program, specializing in Clean Energy Engineering and business fundamentals.

- Highly skilled in execution of complex and capital-intensive projects in a regulated environment with excellent resource planning, budgeting, and project management techniques
- Administered the construction of Super Thermal power project with India’s largest Independent power producer - NTPC Limited and ensured timely completion of the project activities
- Enhanced professional technical skills by pursuing Master of Engineering Leadership degree in UBC Vancouver and broadened knowledge of Sustainable Energy Systems, Energy Policy
- Immensely upgraded business skills in formulating strategies, managing operations and marketing, analyzing financial statements, data analytics (Tableau) while honing leadership skills

**CAREER HIGHLIGHTS**

- Facilitated operation of the 210 MW thermal unit by vigilant monitoring of the generation schedule, diagnosing the maintenance problems and proposed changes in operation guidelines
- Coordinated with maintenance & planning, safety department to ensure occupational health & safety

**PROFESSIONAL EXPERIENCE**

**NTPC Limited**

- *Deputy Manager (Operation)*
  - June 2019 - Dec 2019
  - NTPC Ltd, National Capital Power Station, Dadri, India
  - Facilitated operation of the 210 MW thermal unit by vigilant monitoring of the generation schedule, diagnosing the maintenance problems and proposed changes in operation guidelines
  - Coordinated with maintenance & planning, safety department to ensure occupational health & safety

- *Deputy Manager (Electrical Erection)*
  - Mar 2017 - May 2019
  - NTPC Ltd, Gadarwara Super Thermal Power Project, Madhya Pradesh, India
  - Coordinated two corporate contracts of the project - Cabling & lighting systems, High Tension Switchgears (15 million CAD & 5 million CAD) and timely achieved milestones of the projects
  - Introduced the practice of safety toolbox talks, observation record system and chaired weekly meetings to improve safety conditions at site addressing zero tolerance towards hazards
  - Conducted weekly progress review meetings and prepared monthly & quarterly progress reports
  - Launched a cross functional audit team and improved the material storage conditions
  - Prepared cost estimate for procurement of materials
  - Reviewed Quality plans for execution of construction works
Assistant Manager (Electrical Erection)  
NTPC Ltd, Gadarwara Super Thermal Power Project, Madhya Pradesh, India  
Sep 2013 - Feb 2017

- Implemented standard operating & maintenance guidelines for power sub-stations & DG sets 
- Improved the availability of electricity inside the plant premises by efficient distribution of load 
- Procured electrical maintenance tools & collaborated with finance & purchase departments

Executive Trainee  
NTPC Ltd, India  
Aug 2012 - Aug 2013

- Forecasted the annual consumption of inventory for optimization of departmental budget 
- Coached three technicians for routine electrical maintenance works

CORE COMPETENCIES

- Project Management
- Data Analytics (Tableau)
- Budgeting and Forecasting
- Operational Excellence
- Life Cycle Assessment
- Procurement and Planning
- Energy and Environment
- Project Documentation
- Team Development and Leadership
- Strategic Planning
- Risk Management
- Time Management

EDUCATION

Master of Engineering Leadership  
Completion Dec 2020

Clean Energy Engineering
The University of British Columbia, Vancouver, Canada

- Clean Energy Engineering covers different aspects of energy sector ranging from sustainable energy systems, quantifying GHG emissions, renewable energy systems, energy storage, energy efficiency and simultaneously sharpening analytical skills, upgrading business knowledge 
- Key Courses - Energy and Environment, Energy Policy, Sustainability and Leadership

Bachelor of Technology  
Jul 2008 - May 2012

Electrical & Electronics Engineering
National Institute of Technology, Tiruchirappalli, India

CGPA – 8.7, First Class with distinction

VOLUNTEER EXPERIENCE

Gadarwara Welfare Association
- Coordinated blood donation camps at the Gadarwara Project for the benefit of local blood banks 
- Promoted tree plantation activities at the project site and in nearby villages 
- Conducted career counselling sessions for kids in rural areas
FIND YOUR NEXT GREAT HIRE.

Strengthen your team with a professional whose cross-functional technical and business expertise is focused on designing and maintaining reliable software systems.

DEPENDABLE SOFTWARE SYSTEMS
BUILD YOUR TEAM FOR THE BETTER

Graduates of the UBC Master of Engineering Leadership in Dependable Software Systems are ready to step into a range of professional roles, from software development and architecture to supporting critical software systems and complex technical frameworks.

They have the multidisciplinary technical expertise and business skills needed to address evolving software systems demands – contributing to IT infrastructure, increasing the security and efficiency of operations, and maintaining safety-critical software systems.

Learn more as to how they can add value to your team.

CLASS OF 2020

Tazneem Abdulwahab
Sohum Bilawal Joshi
Leena Limaye Kashinath
Phoebe Le
Namratha Rao
Sowmya Sattare Rameshmurthy
Geetika Singh Potdar
Anupam Yadav

mel.ubc.ca/hire
TAZNEEM ABDUL WAHAB
778-319-1667 | tazneemaw@gmail.com | www.linkedin.com/in/tazneemabdulwahab/

PROFILE SUMMARY

● Currently Pursuing My Post Graduation-Master of Engineering Leadership in Dependable Software System at UBC. This course is a combination of almost 60% technical courses with 40% business courses from UBC Sauder’s business school. I will be graduating in December 2020.

SUMMARY OF QUALIFICATION

● Proficient in analyzing client requirements/standards to develop and implement high level, client-focused solutions.
● Proactively identify opportunities for increased effectiveness and efficiency within the target practices, engage team members, and provide coaching related to those specific opportunities, with experience working in an iterative/agile environment.
● Interfaces with upper management to understand and provide solutions consistent with business needs.
● Capable team player with a strong bias for action and ability to mentor team members.
● Excellent interpersonal skills, proven team player with an analytical bent to problem solving and delivering under high stress environment.
● Strong oral and written communication skills, including proven presentation development and delivery skills.
● Highly motivated team player with analytical, organizational and technical skills, unique ability to adapt quickly to challenges and changing environment.
● Hands on experience with cloud platforms like AWS EC2, AWS Lambda and data analytics tools like Tableau.
● Certified Scrum master and Tableau Desktop Practitioner.

TECHNICAL SKILLS

● Testing Tools: HP Quality Centre 9.0, HP-ALM, SQL Management Studio (oracle), Selenium (web driver), Jenkins, JIRA, REST API, SOAP UI.
● Data Analytics Tool & Cloud Service Platforms: Tableau, EC2, AWS Lambda
● Testing Methodologies/types: Waterfall, Agile, Functionality testing, System Integration testing, User acceptance testing and Regression testing.
● Programming & Operating system: C, C++, Java, Python, Windows, UNIX.
PROFESSIONAL EXPERIENCE

TESTING ENGINEERING ANALYST (HealthCare Domain)  
NTT DATA GLOBAL DELIVERY SERVICES  
Bangalore, IN  
July 2018 – Dec 2019

- Attended project initiation/kickoff meeting and business requirement gathering sessions. Wrote test plans and test cases into ALM for functional and regression testing.
- Involved in creating a level of effort, define test scopes, data preparation and execute tests for the project.
- Responsible for business specification analysis and generating of various test scenarios. Performed various testing on the application.
- Attending scrum meetings with team members to keep everyone updated regarding the testing progress.
- Used JIRA to manage and coordinate the test planning, execution, process and defect management.

SOFTWARE TEST ENGINEER (Client: IBM-Banking & Telecom Domain)  
UNITFORCE TECHNOLOGIES CONSULTING  
Bangalore, IN  
Apr 2017 – Mar 2018

- Analyzing the requirements, deriving test cases based on the test scenarios.
- Performing various levels of testing such as functional, regression, and integration testing on the application.
- Led system integration test activities including test strategies, JIRA was used to manage and coordinate the test planning, execution, process and defect management.
- Assisted in the successful implementation of system changes into production.
- Worked with product owners for user-acceptance testing and defect tracking for new software releases.

SOFTWARE TEST ENGINEER (Ecommerce and Banking Domain)  
SPINTZ INFOTECH SOLUTIONS  
Bangalore, IN  
July 2014 – Apr 2017

- Analyzed technical specifications to ensure all the scenarios are covered for testing.
- Conducted interviews with key business users to collect information on processes and user requirements.
- Documented processes and analyzed procedures to see that they would meet changing business needs and assessed the impact of current business processes.
- Participated in requirements meetings and data mapping sessions to understand business needs.
- Prepared and verified all the documents upon completion of all the various testing.
- Designing, developing and implementing automated testing systems.

EDUCATION

University of British Columbia, Vancouver Campus  
Canada  
Master in Engineering Leadership-Dependable Software System  
(Jan 2020-present)

Maharaja Prithvi Engineering College, Anna University-Chennai  
Coimbatore, India  
B.E-Electronics & Communication Engineering  
(August 2009-April 2013)
Sohum Bilawal Joshi
LinkedIn: Sohum Bilawal Joshi (604) 440-7456 sohumbilawal@gmail.com

I am perennially curious and hungry for knowledge. Praised multiple times for my ability to pick skills up efficiently; a strong communicator who has displayed ability to get along and work with diverse teams fluidly. Currently enrolled in the Master of Engineering Leadership program, specializing in Dependable Software Systems, and business fundamentals.

SUMMARY OF QUALIFICATIONS
I enjoy delivering solutions to customers leveraging the technical knowledge and experience I have gained over the years. My inquisitiveness about cutting edge technology, and an ability to communicate the intricacies of the same to non-technical colleagues makes me a valuable tech evangelist. My past successes involved understanding the requirements set by marketing or business managers, augmenting them through technical consulting and brainstorming, and relaying the requirements to offshore technical managers and teams. My project management responsibilities included maintaining project timelines, resource allocation, coordinating and liaising with offshore teams. These successes make me confident of being able to communicate effectively with peers from a wide range of tech and non-tech domains.

EDUCATION
University of British Columbia, Vancouver, BC Jan 2020 - December 2020
Master of Engineering Leadership (Sauder School of Business + School of Applied Science), Dependable Software Systems
- Management courses include tackling advanced topics in management such as fair process, ethics, bias, and team management through case studies and journal (Harvard Business Review) articles
- Technical courses introduce and apply all aspects of building, maintaining, and designing dependable (secure, available, reliable) software systems

Clarkson University, Potsdam, NY (USA) August 2013 - May 2017
Bachelor of Science, Electrical Engineering

EXPERIENCE
Project Manager and R&D Engineer
Alpha-ICT — Downers Grove, IL & Pune, India June 2017 - Dec 2019
- Got involved from ideation through production and delivery for multiple projects and gained valuable experience in converting non-technical project specifications to technical tasks for the offshore engineering team to deliver
- Interacted, collaborated, and acted as liaison between the offshore engineering executives and non-technical teams in North America, effectively handling cultural and time differences to successfully delivering multiple projects to clients in North America
- Lead app development teams (Android, iOS, and desktop/web) as a designer and interim manager to deploy 4 full-featured apps
• As R&D Engineer, used rapid prototyping principles to prove projects and solutions that would turn into multi-year complex designs through continuous engagement, collaboration, and consultation with clients

**Interference Protection and RF Management Co-op**  
August 2015 - December 2015

National Science Foundation / National Radio Astronomy Observatory — Socorro, NM

• Built, tested, and installed dipole antennas on top of 100-foot antennas at the Very Large Array, NM to improve readings taken at the Array
• Collaborated with leading telecom companies to reduce RF noise around various NRAO radio telescope sites
• Ran emissions tests in a reverberation chamber and compiled emissions data
• Created a new modified J pole antenna design and wrote findings to astronomers and scientists in a report

**Product Development and Testing Internship [Electronics]**  
May - Aug 2015 & May - Aug 2016

Alpha-ICT — Pune, India

• Design of an advanced forklift monitoring and maintenance system using rapid prototyping techniques and DIY hardware and electronics

**Underwater Imaging and Ranging Research**  
May 2014 - August 2014

Clarkson University — Potsdam, NY

• Built, developed, and maintained a multi-layer integrated system involving precision hardware, optical and microwave laser components
• Utilized ADC/DAC control systems built around Arduino, Raspberry Pi, and motors and other electronics

**On Campus Jobs:** Tutoring, Physics Team Design Mentor, Off-Campus Interview Caller

**SKILLS**

- Tableau Desktop Specialist Certified
- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Word
- Data Analysis
- Technical Consulting
- HAM Radio Operator “KG5JUS”
- IoT (Technical and consulting)
- Error-resilient computing
- Software Verification & Testing
- Python
- C, C++
- MATLAB
- Arduino IDE
- Linux (Ubuntu)
Profile Summary

- Responsible for managing firmware releases across the entirety of the lifecycle from the inception through the deployment for new and current enterprise scale Multi-Function Printers. It is a billion-dollar business for HP. The firmware project spans across 3 countries, 400+ engineers, 40+ products.
- Planning and Prioritization of features across milestones of firmware release.
- Proactively manage the synchronization of delivery dependencies between stakeholders between software, firmware, customer assurance, reliability deployment lab and technical marketing.
- Responsible for pre and post release quality of deliverables and adherence to aggressive release schedules.
- Responsible for defining release milestones, success criteria, KPI’s.
- Strong understanding of SAFe (scaled agile framework) and SDLC (software development life cycle).
- Accountable for all delivery of firmware customer escalations and Big Deals. Responsible for reduction of TAT for customer escalations through effective release model.
- Part of the release management team who drove firmware integration between HP and Samsung of the new generation A3 series of Products.
- Part of the small 3-member senior program managers team across the globe which defines and drives objectives and priorities for the HP Lab.
- Deep technical understanding of the architecture of the product, automation strategy, customer expectations, business requirements to make data driven decision on risks, release content and quality.
- Defined and Championed the Future Smart firmware release model leading to high NPS score, lowest customer escalations, enabling Big deals and an always releasable code.
- Collaborated with multiple partners across organizational (Software, firmware, Customer assurance) and geographical boundaries between India, Korea, and US.

Skills
- Agile / Scrum
- PM Methodologies & Tools
- Programming Languages: C#, C/C++, Golang
- Operating Systems: Windows
- Data Visualization: Tableau
- Software Tools: SVN, Git, CI/CD, JIRA
- Testability and Test-Driven Architecture
- Risk Management
- Product Backlog Management
- Data Analytics and Reporting
- Continuous integration and reporting
- Quality Assurance and control
- Project planning and tracking using Jira
- Managing Large scale projects

Experience
Role: Technical Program Manager
Organization: HP Inc R&D
**Project #1: HP Enterprise products firmware**
Duration: May 2013 to December 2019, Team: 400+ Engineers

1. Responsible and accountable for planning and delivery of firmware of new and current HP enterprise products (HP LaserJet MFPs, HP LaserJet printers and HP Network scanners).
2. Responsible for prioritization and ranking of the features of the product firmware
3. Single branch of development, Simulation/Emulation and Virtualization techniques
4. Responsible to understand the trend of escalations, constantly driving to keep the incoming and the backlog low.

Implemented continuous delivery of firmware where ~40 shippable release(s) products were available every 4 weeks which resulted in the quickest turnaround of Customer escalations

**Project #2: Reduction in DOA of HP Devices.**
Duration: March 2018 to October 2018, Team: 6 Engineers
This project was part of driving Leadership Excellence in Women Leaders PAN-HP. Project involved analysis of huge amount of DOA data for HP devices (Laptops and Printers), identifying trends, working across multiple entities of HP (Sales, R&D, Supply Chain, Finance), Fixing the root causes for DOA and creating impact on HP Revenue

Results: Saving in $M, TAT reduction and TCE Improvement

**Role: Technical Expert – Firmware development**
Organization: HP Inc R&D

**Project #1: Firmware Print Device Platform – LaserJet Embedded Firmware**
1. Scoped and designed multiple subsystems including Print controller, Web services, Pipeline Job Architecture in the firmware Lab
2. Led the team to deliver features and complex issues fix for various subsystems in the firmware.
3. Partnered successfully across the globe to solve critical issues and delivered key features across the printing system and have been duly recognized by global team.
4. Made significant contribution in New Product Initiatives (NPI) bring up

**Project #2: Monolithic Printer Driver – HP Printer Driver, Software**
Duration: March 2011 to November 2011
Worked towards development of Printer Driver and firmware for HP’s Single and Multifunction Printers

**Education**

Master’s in Engineering Leadership (Dependable Software systems)
University of British Columbia. Completion Jan 2021

Professional Degree which combined graduate level engineering courses with Business and Leadership courses from Sauder school of Business. The multi-dimensional master’s program focusses on building reliable systems with courses in
a) Building Error resilient, secure distributed computing systems
b) Software project management with new breed of techniques and tools
c) Data Analytics and interpretation
d) Leadership courses around organizational behaviour, Strategy, innovation, Brand building with purpose, Sustainability and Business Acumen for Technical Leaders (Strategy & Innovations, Marketing, Operations/Logistics, Finance)

Bachelor of Engineering
Majored in Computer science
Bangalore university
Profile
With more than 14 years working in the software industry, I have played several roles from software developer to product manager in various organizations, clients, and projects. I have a passion for learning new technologies and tools to build and grow products, enhance the end-user experience, and improve customer satisfaction. Currently, I have just finished my Masters in Engineering Leadership from UBC which has helped consolidate my knowledge in both business and building fault-tolerant computing systems.

Skills
- Hands on experience in applying Agile methodologies: Scrum, Scrum@Scale
- Significant work experience in software development, web development
- 6 ++ years Experienced in Identity Access Management, OAuth 2.0, WS-Trust, security
- 5 ++ years experience in start-up environment
- 1 year experience in machine learning, distributed systems

Education
The University of British Columbia, Vancouver, Canada
Master of Engineering Leadership, Dependable Software System
- The Dependable Software System specialization offers comprehensive knowledge of technical and analytical skills for development and maintenance of error-resilient systems.
- Key courses included:
  - Architecture for learning system, Cyber security, Error-Resilient computing systems
  - Capstone project: gained specific domain expertise in fault-tolerant self-driving automotive.
  - Skills: CNN, Tensorflow, Python, Carla simulator, cryptography, failure detection, Raft, Paxos, Amazon Dynamo, Zero Trust.

Ho Chi Minh City University of Technology, Viet Nam
BS, Computer Science

Experience
Technical consultant, Rangstrup IT ApS
Rangstrup IT is a software development company in Denmark. Its biggest product is an identity and access management (IAM) platform called Safewhere. This product provides any user smart and secure single sign-on (SSO) access to any business application with any type of authentication.
● Responsibilities
  ○ Contributed on the backend side by offering technical solutions, developing for identity providers using different authorization and authentication protocols such as STS or OAuth 2.0 as well as improving security and eliminating vulnerabilities.
  ○ Played the role of scrum master who protects and serves the development team to get the job done, following Agile framework. Managed progress, timing and resources to ensure project’s the highest performance

● Achievements & skills:
  ○ Built an OAuth 2.0 and OpenID Connect provider which satisfies the OpenID Certificate.
  ○ Built various relying parties using WS-Trust and OAuth 2.0/OpenID Connect in both .Net and Java.

● Skills
  ○ Agile methodology, Scrum, Scrum@Scale, Kanban, Git Flow, TDD
  ○ IAM, claim-based authorization, OAuth 2.0, OpenId Connect, WS-Trust, GDPR, Aspnet-contrib, cybersecurity
  ○ Azure, MSSQL, ASPNET.Core, Angular

Senior Manager at Tech Propulsion Labs  December 2010 - April 2013

Tech Propulsion Labs is a software development firm (US-based) in Ho Chi Minh city, Viet Nam. Its customers are mostly from the start-up community of the US and Viet Nam.

● Responsibilities
  ○ Developed iOS and Android mobile applications
  ○ Managed various mobile and web applications from different platforms including Ruby on Rails, Android, iOS

● Achievements
  ○ Promoted to build and develop my own team (30 employees) to develop web and mobile applications for the US market after one year of playing the developer role.
  ○ Developed first stage of https://www.varsity.com/about/

● skills:
  ○ Startup business, Agile Methodologies, Scrum Practices, Product Owner, iOS, Android mobile development.

Team Leader, Catglobe Vietnam Ltd  Jan 2008 - October 2010

Catglobe Vietnam is a member of Catglobe Survey Network, a global network of research companies. I managed a Data team of 6 members to develop and maintain a data module for its product, Catglobe.

● Responsibilities
  ○ Developed core features including Data analysis and Report
  ○ Managed data team, wrote technical guidelines and played the coach role.

● Skills
  ○ Project management, Database, MSSQL, C#, performance, large data scale mining
Highly skilled software development and automation professional, bringing in more than 6+ years of experience in Software Development Life Cycle and Big Data application development. Extensive knowledge in designing and building Big Data ETL based applications and managed data engineering teams collaborating across locations in India and the US. Passionate about driving new technologies and processes to build industry leading applications. Currently enrolled in UBC’s Master of Engineering Leadership program, specializing in Dependable Software Systems, software project management and business management fundamentals.

SUMMARY OF QUALIFICATIONS

- Expertise in implementing Agile methodologies and Big data technologies to transition traditional legacy systems to Big data pipelines.
- Data pipeline designed improved application processing time from 5 days to 1 day with an annual saving of 2 million dollars.
- Enhanced end to end data engineering skills by pursuing Udacity Data Engineering Nanodegree Program and expanded knowledge in the fundamentals of data modelling, cloud data warehouses (AWS), Data Lakes with Spark and Data Pipelines with Airflow.
- Enhanced professional technical skills in building dependable software systems, software project management and business skills in formulating strategies, managing operation, presenting data analytics using Tableau, by pursuing Master of Engineering Leadership in UBC Vancouver.

EXPERIENCE

CAPSTONE PROJECT Master of Engineering Leadership, UBC, Vancouver

Jan/2020 – Dec/2020

Enabling serverless edge computing for IoT tasks using Web Assembly to reduce the overhead of creating new containers to execute tasks on edge computing nodes.

Strengthened understanding of IoT workloads and operating system mechanisms.

ACCENTURE, INDIA Oct/2012 – Nov/2018

APPLICATION DEVELOPMENT LEAD 2016 – 2018

SENIOR SOFTWARE ENGINEER 2015 – 2016

SOFTWARE ENGINEER 2014 – 2015

ASSOCIATE SOFTWARE ENGINEER 2012 – 2014

Key Project: Data transition from Mainframe Legacy system to Hadoop implementing Big Data ETL Pipelines

Managed Team size: 18 Data Engineers & 22 QA Engineers

- Led the Hadoop based Agile Application for a Financial Client, in transitioning native RDBMS/Mainframe system onto Hadoop.
- Designed and implemented the application End to End layers for Retail data from Data Sourcing, persisting them on Hadoop as Avro/Parquet to Data Transformation, implementing various complex transformations based on BASEL Type 2 & Type 3 Regulations.
- The data pipeline implemented enables a common platform for the provision of key risk elements to the bank enabling calculations of risk factors for Basel regulations assurance.
• Developed Hadoop Testing automation suite called THAT from the ground up, using Python, Hive and Oozie. Extensively improved data validations time on Hadoop by QA teams.
• The framework developed achieves 100% data validation, by allowing tests to validate entire 100+million data set record by record within an hour.
• Have improved the time by which application testing teams can meet their Agile in-sprint automation goals and reduce the Regression duration, helping applications to have almost two releases per month.
• Entire lifecycle of the project has been managed using Agile methodologies and have extensive knowledge of both Jira and Version One.
• Supported and played a vital role in multiple successful incremental delivery cycles, hitless upgrades and end to end validations. Expertise in source code version control using GIT and using Jenkins for CI/CD.

TECHNICAL SKILLS

Programming language : Python, Linux Scripting, SQL, HQL
Frameworks : Spark, Hive, Oozie, Impala, Sqoop, Teradata, Tableau
Cloud : AWS EC2, AWS S3
Management Tools : Jira, Version One and Quality Center
Scheduling Tool : Autosys
Version Control : GIT
Methodologies : Agile, Waterfall
Project Management : Project scope management, SDP, Configure & Change management

Certified and credited with Data Engineering Nanodegree by Udacity, 2019
• Completed a Capstone project which included designing data models and building ETL pipeline to provide an analytic platform for US immigration data to assess the migration trends.
• Gained hands on experience in designing data models with Postgres & Cassandra, building data warehouses (AWS) and data lakes (Spark) and automating data pipelines.
  Relative work in GIT: https://github.com/Namratha-B-Rao/udacity-dend

EDUCATION

Master of Engineering Leadership in Dependable Software Systems, 2020
University of British Columbia, Vancouver, BC, Canada
• Designing and reasoning about error-resilient computing systems understanding the design of highly available distributed systems, Software verification and testing techniques, Cyber Security and Information Visualization.
• Hybrid with UBC Sauder School of Business courses including Organizational Behaviour, Innovation and Strategy, Accounting, Operations and Marketing.

Bachelor of Engineering in Computer Science, 2008-2012
UVCE, Bengaluru, Karnataka, India

ACHIEVEMENTS
• Been Awarded the ‘ACE Award’ from Accenture, for the exceptional excellence in delivery and innovation.
• Won ‘Innovation Champion Award’ from Accenture, for the ability to adapt, drive in new technologies and implementation of the same across the applications.
Profile
• Currently pursuing Post Graduation – Master of Engineering Leadership in Dependable Software Systems from University of British Columbia, Vancouver. I will be graduating in December 2020.
• I was last employed with Daimler Mobility (Mercedes Benz), Singapore as Scrum Master – Project Manager holding a Scrum Master Certification. Seasoned, technically inclined and highly empowered professional with 7+ years’ experience in project management, end-to-end business delivery, executing & implementing high valued projects for niche customers and emerging technology. Extensive experience in the implementation of Agile Scrum practices, CMM, CMMi & Agile based support, new IP/ Product development, client relationship management and business development. Proven ability to present solution strategy, testing capabilities and service offerings to the clients & various high-level dignitaries

Technical Skills
• Scrum, XP, Kanban, Crystal Reports, PlanningIT, SAFE agile, Atlassian tools - JIRA/Confluence
• SDLC, Project Management
• HTML5, XHTML, DHTML, JavaScript, jQuery, XML, CSS, PHP, Microsoft FrontPage, Adobe Photoshop, Adobe illustrator, HTML, CSS3, JavaScript, Jquery, Wordpress, Bootstrap
• HPQC (HP Quality Centre), CIS, TMS, XRAY Test Management
• DB2, SQL Server, SAAS, SAP Concur

Professional Experience
Sep’20 - Dec’20  Cyber Security Term project, Security Analysis of LMS, UBC
• Analysis of Learning Management System (web-based software) for the flaws, strengths, and levels of adherence to secure software practices.
• Approached the system from both offensive (penetration testing) and defensive (code analysis and review) perspectives.
• Based on our findings, we pointed out observations and actual security weaknesses of the system.

May’20 - Dec’20  Serverless Edge Computing IoT, Capstone Project, UBC
• Reduce the overhead of creating new containers on edge computing nodes to execute tasks
• Compare the latency dynamics between container based (Azur Lambda) with serverless comps
• Implement for fault tolerance use cases when an edge computing node fails
• Identify security implications and real time business cases in this approach

Jul’18 - Dec’19  Scrum Master – Project Manager, Daimler (Mercedes Benz), Singapore
• As a Scrum Master, for two interdependent Agile product teams in Digital Solution Centre - organize and conduct all of the Agile Scrum Framework ceremonies, including sprint planning & retrospectives, daily scrum, backlog grooming
• Remove impediments for team members that block them from completing their work. Ensure all scrum activities are tracked, kept up-to-date, and reported on a daily basis
• Liaise between product management, developers, testers and business stakeholders to foster quality communication.
• Coach and transfer knowledge to in-house staff on the Agile Methodology and SCRUM Framework, or related practices for product delivery
• Manage resources, risk, quality, scope, budget and project deliverables using JIRA/Confluence Atlassian toolchain

Projects: Infinite Japan & Russia- INFINITE stands for Insurance + Finance + IT enabler, it is a dealer-facing platform, which enables salesperson to complete the transactions with customers on quotation, financing application, contract generation and e-sign

Aug’14 - Jun’18  Senior Web Developer (Web/Mobile), DBS Bank, Singapore
• Participate in all phases of the agile development and maintenance life cycle, typically for an assigned business unit or corporate department and utilizing various customer platforms
• Works within a Scrum Team to develop and define applications scope and objectives, and prepare functional and/or technical specifications using Agile methodologies
• Collaborate with Engineers and graphic designers, analyses and classifies complex change requests, and reviews and evaluates possible enhancements.
• Develop and performs unit testing, identifies and fixes defects, and supports defect analysis and resolution in integrated environments. Perform bug fixing of UI issues.

Projects: Internet Banking DBS Singapore, Vickers online DBS Trading Website, DBS Digibank India app, DBS Singapore app, Onboarding Singapore website, Onboarding Hongkong website

Aug’10 - Jul’14  Web Developer, Cellcity Ltd., Singapore
• Design and develop front-end for Content Management Systems
• Design apps for iPhone, Android, Blackberry, Symbian, Windows mobiles, iPad and tablets and improve user experience
• Ensure on-time work results, and control of numerous change requests
• Perform bug-fixing on both web and mobile-based applications
• Provide direct support and oversee the progress development of a software-programming project
• Coordinate with offsite developers to ensure duties and responsibilities are carried out on schedule

Projects: TeleListas.net, DBS Shopper, ILoveDeals, DBS Indulge, epiCentre, UOB, PropertyGuru, CapitaMalls Asia, JSSL, Six Capital, GPT, Cozycot, inSing Movies

Jan’08 – Mar’10  Web Developer, Akamai Technologies, Bangalore, India
• Develop and maintain Akamai.com website using the Plone on Zope CMS
• Implement design features and modify Web page layouts, as marketing needs change
• Support for the day-to-day operation and content management of akamai.com, Akamai’s international sites, Intranet sites, and partner extranet
• Manage detailed email campaign system, which will involve building and sending of html EDMs, tracking reports, and updating the contact database per reports and to prepare future mailing
• Support of distributed content publishing including press releases, job descriptions, collateral, reports, images, case studies, whitepapers, customer testimonials
• Production of online initiatives, including landing pages and automated response mechanisms for email campaigns, online advertisements, electronic newsletters

Projects: Akamai website and intranet, Email campaigns

Education
2020; Master of Engineering Leadership in Dependable Software Systems, UBC (combination of 60% technical courses with 40% business courses from UBC Sauder’s business school)
2005; Master of Science in Information Technology from Annamalai University, Bangalore
2002; Bachelor of Science in Computer Science from Bangalore University, Bangalore
SUMMARY

- Lead business development efforts and took 2 products from concept stage to launch.
- Spearheaded product development and design efforts for 3 web and mobile app platforms.
- Tactfully managed a team of 7 software developers, UI/UX designers and quality assurance engineers while prioritizing efforts and meeting KPI objectives.
- Conducted 50+ customer interviews to finalize product features for MVP.
- Collaborated with UI/UX team to design website, android and iOS app with 90+ screens

BUSINESS/MANAGEMENT SKILLS

- Product strategy, road-map development
- Agile project management
- Competitive Landscape and Market Analysis
- Customer interaction for usability studies and product functionality feedback
- Microsoft Project, Microsoft Visio, Tableau, Zoho Bug Tracker

TECHNICAL SKILLS

- Python, Java, C++, GitHub, LabVIEW
- Google Analytics, Adobe Photoshop, Adobe Illustrator
- Certificates: Engineering Statistics & Data Analysis (ESDA), LabVIEW Core 1 & 2

EDUCATION

Completion Date: December 2020

Master of Engineering Leadership | Specialization: Dependable Software Systems
University of British Columbia | Vancouver
- entrepreneurship@UBC – Venture Building and Incubation Program | Project – AlertMeU
  o Co-founded a venture through stages of formulating value proposition, idea validation, customer discovery, MVP development and customer facing pilot implementation.
- Creative Destructive Lab | Student Member
  o Assisted pre-seed stage start-ups with market analysis, exploring competitive landscape, business plan development, and financial analysis.

Incomplete

MS, Biomedical Engineering | Specialization: Medical Devices
San Jose State University

BS, Electrical Engineering
University of California | Irvine
EXPERIENCE

2016 – 2019

Product Manager, Co-Founder | Creo Softech, Pune – India
Creo Softech is a start-up organization developing a multitude of web and mobile applications including CreoYou and AlertMeU

- Conducted market, industry and competition analysis to better articulate product’s value proposition and identify MVP features and target audience.
- Articulated Statement of Work and Work Breakdown Structure to define product features and allocate resources accordingly.
- Administered a team of 8 engineers and designers in an agile software development environment.
- Efficiently maintained project schedule, timelines & deliverables while prioritized tasks based on customer need, business impact, and development effort.
- Conducted customer surveys to evaluate user experience that resulted in 200+ enhancements.
- Trained quality assurance engineers and developed testing procedures that resulted in detection and correction of 700+ bugs.
- Formulated marketing strategy utilizing various advertising platforms including google ads, social media marketing, and in-person marketing. Monitored customer traction through google analytics.

2015 – 2016

Assistant Photographer, Graphic Designer | Studio 60, Ahmedabad – India
Studio 60 is a graphic designing, commercial photography and documentary film making studio

- Took high-quality images for interior design magazine, handicraft expos, live events etc.
- Developed advertising campaign and marketing material (brochures, flyers, presentations etc.)

2010 – 2014

R&D Engineer | Thoratec Corporation (now part of Abbott Laboratories), Pleasanton – California
Thoratec was a Class III medical device company developing Left Ventricular Assist Devices (Heart Pump)

- Performed verification and validation testing on software and hardware systems to meet performance requirements and FDA standards.
- Successfully managed onsite and offsite team of multidisciplinary engineers in conducting product life and shelf testing.
  - Utilized Microsoft project & Visio for project planning, tracking and presentation
  - Organized status meetings and maintained meeting minutes
  - Maintained project specifications requirements and inventory.
- Worked collaboratively in cross-functional teams with engineers, contractors and project managers from various departments to drive development and testing efforts.

VOLUNTEER ACTIVITIES

- Student Outreach Volunteer | Society of Women Engineers
- Crisis Counselor | Suicide and Crisis Services Department of Mental Health, Santa Clara County
Anupam Yadav
Product Manager

EXPERIENCE: 12 years

Publicis Sapient, Vancouver — Product Manager SAL2

Winshuttle, India — SDET
Oct 2011 - Sept 2013

Infosys, India — Technology Analyst

EDUCATION

University of British Columbia, Vancouver, BC, Canada
Jan 2020 - Dec 2020 (Masters of Engineering Leadership in Dependable Software)

Panjab University, India
July 2003 - June 2007 (Bachelors of Computer Science and Engineering)

PROJECTS

McDonald’s Mobile Application — Product Manager, Chicago
2017-2020

- Implemented 10M$ ordering for Canada, USA, UK, DE and AU
- Managed team of 20 cross-functional engineers from Brazil, India, UK
- Performed A/B testing, increased YoY revenue by 15%
- Reduced average ordering and registration time by 35%, offloaded UI/UX bulk catalog download and increased revenue by $5M
- Implemented moments, monopoly, user and region-based deals
- Owned and implemented EU-GDPR for UK and DE
- Improved app ratings from 3.5* to 4.2*
- Performed data analytics based on Voice of Customers
- Brought mobile crash rates from 5% to < 0.3% for 5 countries

SKILLS

A/B testing, Tableau - Data Visualization, Java, Jira, VB, REST API, Gherkin, C, XML, HTML, Jemmy, Web Services Charles proxy/Fiddler, Unix, CI/CD Jenkins, White-Box, EclEmma, Mutation-PIT, BDD-Cucumber

CERTIFICATIONS

Tableau Desktop Specialist
Digital Product Management Certified Scrum Master(CSM)

AWARDS

McDonald’s - Seize the space
Intel vendor partner
World Semi-Finalist: NextGen Conference
Best Individual Contributor
i-Trim (Infosys Wide)
2-time Platina Award
2-time Bravo Award winner

COMMUNITY CONNECTIONS

500 hours of school teaching
Frequent blood donation
Virtualization


- Owned new device/plan market launch. Increased project ROI by 20% (1M$) by optimizing existing processes
- Provided Proof of Concepts and Introduced PACT for Consumer Driven Contracts to detect API failures
- Implemented Behavior Driven Development using Java and Cucumber utilizing Business Readable Gherkin.
- Architected A/B test & designed automation framework for Mobile & Web UI validation
- Reduced build delivery time by 67% with parallel execution and enhanced feature coverage

TD Bank — Product Manager, Philadelphia and Washington DC (2015-2016)

- Developed product roadmaps for end to end user journey, increased revenue by 15%
- Delivered product 20% ahead of schedule, with just wireframes and unavailable environment
- Saved 60% manual effort by guiding mobile automation framework & maintenance using SeeTest


- Incorporated client reporting requirement using Java-Jemmy, integrated with Jenkins CI
- Owned Web Service Change Requests and backlogs for Anchorage, ValueAct and Farallon clients
- Spearheaded bulk reporting of several multi-level PL/SQL procedures and their debugging and execution
- Led legacy Back Office Data Warehouse ETL integration with International Fund Service feeds
- Conducted performance validations, identified 11 key issues. Nominated for client award in Q4 2014

Vodafone (Winshuttle Workflow) — SDET, India (2011-2013)

- Linked SharePoint and SAP using out of the box SharePoint workflows for business process automation
- Chained Web Services with single-action forms rendered on the SharePoint Cross-Forest, Cross-domain Farm
- Removed manual SAP data entry by automating end to end business workflow process
- Showcased three organization level Winnovates, automated complex, secure, web-based MS InfoPath

AT&T (Infosys)— Technology Analyst, India (2007-2011)

- Built hybrid automation framework from scratch - Scripted auto defect logging
- Integrated HP-QTP/UFT with Infosys Automation Accelerator using just the wireframes
- Prepared scripts with descriptive programming for unattended execution
- Anchored Knowledge Management & Configuration. Published 7 BOK across Infosys, received 5 awards
- Mentored new team members on Technical and Functional Aspects of PRISM 1.0 and 2.0
FIND YOUR NEXT GREAT HIRE.

Add value to your organization with a professional whose cross-functional technical and business skills are focused on creating innovative solutions to achieve sustainability goals.

HIGH PERFORMANCE BUILDINGS
BUILD YOUR TEAM FOR THE BETTER

Graduates of the UBC Master of Engineering Leadership in High Performance Buildings are ready to step into a range of professional roles to help your organization design and implement green building and architecture initiatives.

They have the multidisciplinary technical expertise needed to address evolving building innovation demands, and the business skills to collaborate with diverse stakeholders in developing innovative solutions and build resilient communities.

Learn more as to how they can add value to your team.

CLASS OF 2020

Waqas Ahmed
Sue Chung
Kapil Gauba
Arefe Goolpour
Mohammad Hossein Mehrabi
Gokulraj Kailash
Afshin Khazaei
Touseef Makroo
Christopher Moore
Mriganka Nath
Primiartini Prayoga
Andreas Searle
Riya Tolia
Yara Younan

mel.ubc.ca/hire
Career Summary

A dynamic and dedicated professional with more than a decade long experience in engineering designs of building mechanical systems. Successfully completed the Plumbing and Fire Protection Systems design, of 200+ diverse building and infrastructure projects from concept to construction, working in close collaboration with diverse multi-disciplinary project teams from across the globe.

Currently pursuing a Master of Engineering Leadership in High Performance Buildings, at the University of British Columbia, Vancouver, Canada. Available for a fulltime work opportunity from January 2021, with flexibility of work location. I am a Permanent Resident of Canada and hold a valid Class 5 Driver’s License.

Work Experience

<table>
<thead>
<tr>
<th>Position</th>
<th>Company</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Senior Mechanical Engineer</td>
<td>Gulf Consult, Kuwait</td>
<td>2008-2019</td>
</tr>
<tr>
<td>Intermediate Mechanical Engineer</td>
<td>Gulf Consult, Kuwait</td>
<td>2010-2017</td>
</tr>
<tr>
<td>Junior Mechanical Engineer</td>
<td>Gulf Consult, Kuwait</td>
<td>2008-2010</td>
</tr>
<tr>
<td>Free Lance Project Manager</td>
<td>Kuwait</td>
<td>2017-2020</td>
</tr>
<tr>
<td>Free Lance Design Reviewer</td>
<td>International</td>
<td>2015-2017</td>
</tr>
</tbody>
</table>

Senior Mechanical Engineer at Gulf Consult, Kuwait [2017-2019]
- Concept designs creation through critical analysis of alternative design approaches.
- Creating and delivering Design Reports and Design Presentations at various design stages.
- Acquiring authorities’ approvals and construction permits.
- Supervising Projects Progress, and ensuring the timely accomplishment of project milestones.
- Design Office Point of Contact | Supervision of construction sites | Mentor for Engineers in Training.

Intermediate Mechanical Engineer at Gulf Consult, Kuwait [2010-2017]
- Tender Documents Preparation | Detailed Engineering Design Calculations | Equipment Schedules
- Multi-disciplinary cross-coordination | Progress Reports | Design Reports | Project Presentations.

Junior Mechanical Engineer at Gulf Consult, Kuwait [2008-2010]
- Project’s initiation documentation Analysis | Data Collection through Site Surveys
- Development of Bills of Quantities and cost estimates | Review of design drawings and models.

Free Lance Project Manager, Kuwait [2017-2020]
- Development of Financial and Technical Proposals and chairing meetings with stakeholders.
- Negotiating the scope of works, deliverables, project timelines, schedules, milestones, mode of payments and resource requirements for design contracts with the clients.
- Teams Formation | Resource Allocation | WBS | Roles and responsibilities matrix

- Analyzing designs for inefficiencies and proposing design optimization solutions.
- Conducting Value Engineering analysis after in-depth evaluation of various design possibilities.
- Visualizing the economic impact of the design inadequacies and presenting the savings.
Technical Expertise

Engineering design capabilities of the following Building Mechanical Systems:

- Fire Protection.
- Cold and Hot Water Supply.
- Stormwater and Sanitary Drainage.
- Fuel Storage and Supply.
- Water Features, Displays and Aquatics.
- Medical Gas Supply.
- Heating, Ventilation and Air Conditioning.
- Landscape Irrigation.

Skills & Strengths

Soft Skills

- Adaptive Leadership skills responsive to situation to effectively manage people and processes.
- Critical Thinking, Strategic Planning, Problem Solving and Decision Making skills.
- Proficient in Team Building, Motivation, Coaching and Inter-personal skills.

Computer Proficiencies

- MS Office Applications | Tableau | AutoCAD | Revit | Elite Fire | eQUEST | IES

Communication Capabilities

- Active Listening & Observation | Effective Written & Verbal Communication.

Education

Master of Engineering Leadership in High-Performance Buildings

- University of British Columbia, Vancouver, Canada.
  Sauder School of Business: Sustainability & Leadership | Strategy & Innovation | Decision Making.
  School of Architecture & Landscape Architecture: Green Buildings | Regenerative Development.

Bachelor of Science in Mechanical Engineering

- University of Engineering and Technology, Taxila, Pakistan.
  Gold Medal with distinctions in multiple courses.

Community Contributions

Considering community service as a social responsibility, I have always been offering my skills and services to different Non-Governmental Organizations at multiple executive positions. These roles have mainly helped me in refining the management and leadership skills:

- VP Employment Counselling Division at Pakistan Employment Forum Kuwait.
- General Secretary at Association of Pakistani Engineers in Kuwait.
- Member of Executive Council at Pakistan Sports Association Kuwait.

Interests & Activities

- Mental Activities: Reading | Exploring new software capabilities | Learning new skills.
- Physical Activities: Playing Cricket & Table Tennis | Travelling.
Sue Youn Chung

e-mail: purpleorange@hotmail.com
LinkedIn: https://www.linkedin.com/in/sue-youn-chung-686b1864/

PROFILE

Dedicated ARCHITECTURAL PROFESSIONAL with OVER 12 YEARS OF EXPERIENCE in the Building Industry, who is PASSIONATE about GREEN BUILDINGS BEYOND SUSTAINABILITY.

Successful track record of collaborating with interdisciplinary teams to deliver $50M-$100M award-winning projects within the given budget and timeframe. Armed with a set of diverse skills from design, coordination, documentation, and to delivery, and areas of expertise include education building design, commercial and retail interiors, and residential property development. Always strive for continued excellence.

PROFESSIONAL HIGHLIGHTS AND EXPERIENCES

**Sustainability Scholar**, UBC / City of New Westminster 2020

Research Project: Energy Save New West (Research to Understand the Opportunities to Improve the City of New West’s GHG Community Energy Program)

- Technical data analysis of Energy Save New West’s pre & post-retrofit energy evaluation reports and NRCan resources.
- Online survey design & execution, and analysis of the survey results.
- Final report and presentation to stakeholders with recommendations for program improvements.

**Associate Director**, Archimedia Group 2018 – 2019

Architecture Practice, Auckland, NZ. www.archimedia.co.nz

- Successfully led small to medium scale commercial projects as a project architect from project initiation to completion that resulted in returning clients.
- Senior management team member heavily involved in HR and some marketing.

**Senior Architectural Designer**, Jasmax 2015 - 2017

Architecture Practice, Auckland, NZ. www.jasmax.com

- Successfully led NZ$50M to $100M tertiary education projects as a lead interior architectural designer at various project stages.
- Mentored junior team members providing guidance on design and technical skills.
### PROFESSIONAL HIGHLIGHTS AND EXPERIENCES_ (CONTD.)

**Senior Architectural Designer**, Unispace  
Interior Design & Project Management Firm, Auckland, NZ. www.unispace.com  
- Project architect leading small to medium scale commercial/educational/retail interior architecture projects from project initiation to completion.  
- Construction administration, monitoring site progress and report on variations.

**Senior Architecture Graduate**, Gaze  
Architectural Design & Project Management Firm, Auckland, NZ. www.gaze.co.nz  
- Leading role in project initiation, project brief establishment, feasibility analysis, spatial analysis, collaboration and coordination with specialist consultants.  
- Responsible for design, documentation, progress updates & periodic client presentation.  
- Organized tender and purchasing orders for soft fit-outs.  
- Pre-planning consultation/negotiation with local authorities to establish planning guidelines.

### EDUCATION AND QUALIFICATION_

**Master of Engineering Leadership in High-Performance Buildings**  
University of British Columbia, Vancouver, Canada (Expected Completion Dec. 2020)  
Related Coursework – Building Energy System & Design, Energy Modelling & Simulation, Green Building Practice, Data Analysis & Interpretation, Business & Leadership Fundamentals

**Master of Science in Housing and Interior Design** Yonsei University, Seoul, Korea

**Bachelor of Architecture with Honours** University of Auckland, Auckland, New Zealand

**New Zealand Green Star Accredited Professional** (2014 – 2019)

### TECHNICAL, SOFTWARE & LANGUAGE SKILLS_

<table>
<thead>
<tr>
<th><strong>ARCHITECTURE RELATED</strong></th>
<th><strong>OTHER</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Revit &amp; AutoCAD</td>
<td>Tableau (Data Visualization)</td>
</tr>
<tr>
<td>SketchUp</td>
<td>InDesign &amp; Photoshop</td>
</tr>
<tr>
<td>Enscape (Rendering &amp; VR.)</td>
<td>Excel, Word, PowerPoint</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>SUSTAINABILITY RELATED</strong></th>
<th><strong>LANGUAGES</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>eQuest &amp; IES VE (Energy Simulation &amp; Design)</td>
<td>Korean and English</td>
</tr>
<tr>
<td>Taco (Energy System Calculation and Design)</td>
<td>Japanese (Conversant)</td>
</tr>
<tr>
<td>Athena (Embodied Carbon Lifecycle Analysis)</td>
<td>French (Beginner)</td>
</tr>
</tbody>
</table>
Kapil Gauba, architect
Address: 4596, West 6th Avenue, Vancouver, V6R1V5, Mobile: +1 289 544 6676
Email: kapilgauba@gmail.com  www.linkedin.com/in/architectkapilgauba

SUMMARY
An architect committed to sustainable development of the future, having specialization in high-performance building design and project leadership. With an exhaustive experience of more than a decade across a broad range of projects having the proven ability to strategically guide the project from marketing to delivery, converting challenges into opportunities on the go.

KEY AREAS OF COMPETENCY

Design
• Specialize in high-performing sustainable buildings
• Master planning, detailed architecture, and design development
• Production of technical documents and drawings
• Client brief & scope of work development
• Project cost estimation & planning
• Experienced with working at an interdisciplinary firm

Organizational skills
• Leadership & team management of multiple projects simultaneously
• Communication to senior management & key stakeholders
• Client, consultant & construction coordination
• Liaising with client & regulatory authorities for approvals
• Result-oriented approach, with involvement from start to finish & timely delivery of projects

Business development
• Business strategizing, marketing & presentations.
• Relationship development with client & ability to independently lead meetings
• Collaboration & negotiation skills
• Performance & profitability analysis

EXPERIENCE

Furniture Start-up, 2018 - 2019, Entrepreneur
Started in house furniture design & manufacturing unit, learning production processes & project delivery Systems.

CEM Engineers, 2009 – 2018, Project Lead

Design & Build Interiors of Indian Navy Headquarters, Delhi
Built-Up Area: 20,000 Sqft, Status: Completed
• Project assessment & preparing a quotation for bidding
• Detailed layout plan & fabrication drawings, furniture design & manufacturing
Campus development for Indian Army, Assam
Built-Up Area: 1,000,000 Sqft, Project Value: USD 80 Mn, Status: Completed

- Project assessment & preparing a quotation for bidding, winning the job for the company
- Lead architect for the project, independently managed master plan development including services, detailed design. The site area exceeded 100 Hectares
- The project was developed following sustainable vernacular practices of the area, without letting the cost to escalate. This required dealing with the government’s bureaucracy, liaise & coordinate to get approvals, a tireless process spanning across five years
- Project scheduling, coordination with design engineers & estimators. Production management & checking in access of 2500 working drawings, legal signing authority
- Orchestrating the construction tender on behalf of the client and getting work started on site

Indian Navy Head Quarters, national design competition, capitol complex, Delhi
Built-Up Area: 430,000 Sqft, Status: Finished Runners up.

- Concept design preparation, research & development, coordination for proposal with consultants
- Strategizing & preparing detailed proposal & presentation, key speaker for presenting the proposal at DRDO auditorium, consultancy cost analysis & tailoring fee structure for bidding.

Campus development, Jabalpur & Manesar
Built-Up Area: 400,000 Sqft, Project Value: USD 160 Mn, Status: Completed

- Master plan development, detailed design & working drawings
- Approval from client & authorities, project scheduling
- Coordination & project management during execution

Neeraj Manchanda Architects, New Delhi, 2007-2009, Team Leader
The Shri Ram School, Gurgaon
Built-Up Area: 100,000 Sqft, Status: Completed

- Development of eco-friendly campus, LEED/ GRIHA rated
- Promoted to team leader, master plan development, architectural design & layouts, coordination with client, consultants, and municipal architects for approvals
- Team management, setting targets, feedback to senior management on progress status

EDUCATION & CERTIFICATION

- Licensed architect, with Council of Architecture, India for more than 12 years, eligible for registration with CACB under Broadly Experience Foreign Architects.
- Bachelor of architecture, 2007, TVB School of Habitat Studies, New Delhi

SKILLS

- Software proficiency: AutoCAD, MS Office, Adobe Photoshop, ArchiCAD, Revit Architecture, Sketchup, Tableau (data analysis), IESVE & E-quest (energy modeling)
- Languages: English, Hindi, Punjabi.
Arefe Goolpour
Architect / Project Manager

+1 604 779 5751  arefehgolpour@gmail.com  arefe.goolpour@alumni.ubc.ca  https://www.linkedin.com/in/arefe-goolpour-135a66172/

PROFESSIONAL PROFILE
Creative Architect & Project Manager, experienced in planning and monitoring construction projects. Excelling in software tools. Outstanding communication and leadership skills and interested in stretch opportunities to improve them. Currently enrolled in UBC’s Master of Engineering Leadership program, specializing in High-Performance Buildings, and business fundamentals.

KEY QUALIFICATIONS
- Knowledgeable in project management processes and standards including PMBOK, PRINCE 2, PMDC, OPM3, with high specialization in stakeholder, time, and human resource management.
- Coordinated a team responsible for applying Agile Methodology to improve the reporting system of a construction corporation.
- Hands-on experience in Implementing Enterprise Project Management for a big corporation.
- Proficient in architectural, graphical, and presentation software tools, with a keen eye for details.
- Enhanced knowledge in sustainable energy systems by pursuing a Master of Engineering Leadership degree in UBC.

SKILLS & CERTIFICATIONS

COMPUTER LITERACY
- Autodesk AutoCAD
- Autodesk Revit
- Autodesk 3ds Max
- Adobe Photoshop
- Adobe InDesign
- Adobe Illustrator
- Microsoft Office Professional
- Microsoft Project
- Microsoft Visio
- Mindjet MindManager
- Primavera P6
- Tableau Software
- eQUEST
- Climate Consultant
- IES Virtual Environment
- Athena Impact Estimator
- Prezi
- V-Ray

SKILLS AND EXPERTISE
- Organizational Behavior Management
- Analytical Thinking & Problem Solving
- Internal & External Business Analysis
- Marketing & Business Strategies
- Team Building and Leadership
- Stakeholder Analysis Matrix
- Project Charter Creation
- CPM, Gantt Chart Creation
- Decision Making Solutions
- Analyzing Financial Statements
- Graphic Work and Presentation
- Interior Design & 3D Modelling
- Project Life Cycle Assessment
- Feasibility Studies and Analysis
EXPERIENCE HIGHLIGHTS

**Project Control Specialist Assistant (Full-Time)**  Feb 2018 - Dec 2019
*Kimeh Sazan Kohan Construction Co., Tehran, Iran*
- Organizing initial planning sessions, feasible studies, project charter creation, milestones identifying and creating project baseline schedule
- Assisting the head project manager in measuring progress of the projects and communicating to team to deliver the project on time
- Structuring process status report and running weekly and monthly meetings
- Leading a team responsible for making their reporting system agile

**Design Team Member (Full-Time)**  Sep 2017 - Feb 2018
*KSA Architecture Group, Tehran, Iran*
- Analyzing and planning interior design projects
- Designing and modelling different alternatives
- Quantity surveying and estimating project budget
- Monitoring execution of interior design projects

**EPM Team Member (Freelancer)**  Dec 2017 - Mar 2018
*SAMIX Corporation, Tehran, Iran*
- Analysis team member of the project “Implementing PMO for Ministry of Roads & Urban Development Islamic Republic of Iran”
- Communicating the client’s need to SAMIX programmer team
- Structuring the client’s projects data to design a management dashboard

**Technical Team Member (Full-Time)**  Jul 2017 - Aug 2017
*Rahyab Behineh Consulting Engineers, Tehran, Iran*
- Structuring and organizing feasibility studies report
- Assisting architecture team in different projects
- 2D and 3D modelling in railway station design projects
- Designing and preparing spreadsheet graphics of the projects
- Point of communication between clients and the company

ACADEMIC BACKGROUND

**Master of Engineering Leadership**  2020
High Performance Building
University of British Columbia, Vancouver BC, Canada.

**Master of Science**  2016-2019
Project and Construction Management
Shahid Beheshti University, Tehran, Iran.

**Bachelor of Science**  2011-2016
Architectural Engineering
Semnan University, Semnan, Iran.
Final Coursework: **Family Book Garden Design**
Mohammad Hossein Mehrabi
Structural Engineering - EIT Eligible

mehrabi.civileng@gmail.com  +15146012800  Vancouver, Canada  www.linkedin.com/in/mehrabi-tel5146012800

PROFILE

Very accomplished and proactive Structural Engineer experienced in performing analysis and design calculations of various types of reinforced concrete, steel, and masonry structures including high-rise and low-rise residential and commercial buildings. I am also familiar with the green building core concept and strategies to provide high-efficiency and cost-saving green building design.

WORK EXPERIENCE

Structural Engineer
Consulting Co., Hafkan  2017-2019

- Assisted in the design of reinforce concrete and steel frame residential building, which requires challenging and creative structural engineering analysis approaches and solutions
- Carried out load and structure calculations investigating beam, column, slab, and foundation strength
- Seismic design of mid/high rise structures
- Directed design and project engineers, as well as supporting CAD technicians throughout the construction process
- Provided construction administration services to keep projects running smoothly during construction
- Collaborated with contractors to ensure the safety of facilities and timely, economic completion of projects according to public and corporal safety regulations
- Gave PowerPoint presentations to managers and clients

EDUCATION

University of British Columbia  01/2020 - 12/2020
Engineering Leadership - High Performance Building  Master

- Key courses included: Project Management, Finance, Organizational Leadership, Marketing, Branding, Building Energy Modeling, Greening Existing and New Building, and Building Energy Systems Design

University of Malaya  2015 - 2019
Structural Engineering  PhD

- Project Title: Hybrid passive control system for seismic response mitigation of structures (Based on ASCE, FEMA)

University of Putra Malaysia  2012 - 2014
Structural Engineering and Construction  Master

University of Tenaga Nasional  2008 - 2012
Civil Engineering  Bachelor
SKILLS

Technical
- Structural Analysis
- Concrete and Steel Design
- Earthquake Design
- Structural Dynamics
- Structural Vibration
- Nonlinear Analysis
- Energy Modeling

Codes & Standards
- ASCE
- FEMA
- AISC
- EUROCode

Software
- ETABS
- SAP2000
- CAD
- Revit
- IESVE
- eQUEST
- ANSYS
- ABAQUS

ACTIVITIES & ACHIEVEMENTS
- Developed several passive seismic retrofit systems through combined experimental and analytical analysis
- Established 3 patents (Damper devices), and achieved the 1st and 2nd ranks among participants from 39 countries in international engineering competitions
- Developed mathematical design procedure for bracing systems
- Published articles in international journals
- Reviewer of several Technical Engineering Journals
Professional Profile:
A focused, result-oriented person, I believe in perfection with utmost dedication in work. I am an experienced analytical, creative, and articulate professional. My 9 years of field experience has exposed me to people from diverse backgrounds, thereby helping me develop exceptional written and verbal communication skills along with customer service. I am a dependable person with good time management skills, with my key strengths being honest, hard work along with an innovative and pragmatic approach to problem-solving in all my endeavors.

Summary of Qualification:

- Experienced in parametric design processes guided by the rules of sustainability and understanding of the manufacturing process of designs using technology of laser cutting and 3D printing.
- Gained immense knowledge about Net Zero building and Living building challenge throughout MEL degree in UBC, which explored the concepts of sustainability and regenerative design processes.
- Acquired skills on energy analysis tools like eQuest, iESVE for the analysis of buildings' internal load and modification of mechanical systems, which helped in achieving the redesign of buildings to become NetZero with carbon emissions.
- Developed a keen interest and skill for data analysis through the Business leadership courses of MEL degree and Tableau for the analysis.
- With courses in Accounts, Marketing Strategy, Leadership, and Branding, I was introduced to the world of business organization, working of nonprofit organizations, purposeful branding, managerial accounts, which in turn helped in grasping a greater knowledge about business management and leadership.

Educational Qualification:

- MEL (Master of Engineering Leadership - HPB), 2020 - Current, University of British Columbia - Vancouver, Canada
- MAA (Master in Advanced Architecture), 2011 - 2013, Institute for Advanced Architecture of Catalonia - Barcelona, Spain
- B.ARCH (Bachelor of Architecture), 2004 - 2009, National Institute of Technology - Trichy, India
Professional Experience :  --------------------------------------------------------------------------------

**Design Consultant**, RVS Educational trust, India (Jan 2016 - May 2019)

- Member of the team involved in development of multiple Urban design projects related to the local culture and traditional contextual settings which involved working knowledge of regulations and best practices.
- Exposed to various typology of projects from rural to urban design and from residential to sustainability based projects.
- Coordinated and Conducted research based seminars and workshops on team building, Design development, Parametric design along with an explicit, well defined planning guideline for future events.
- Collaborated with a team of conservation architect, social activists for a project on social conservation project for documentation of George town, Chennai, India.
- Was one of the panelist in the 3D printing exhibitions conducted by the organization in which my parametric jewelry designs were displayed.


- Lead a design team for design of Luxury Villa, township project with 21600 sqmts area and 2.3 billion BHD value in AMWAJ island, Bahrain. The township comprises 53 phenomenal sea facing villas with a colossal club house that boasts an illustrious parametric design facade.
- Art Rotana Star hotel’s cafeteria was designed around a central flamboyant element which was its most salient feature which was based on parametric design.
- Designed a factory building for a chemical company which had a roof structure that explored the technique of post tension slabs.
- In most of the residential buildings designed in the firm, experimented with the concept of flat slab and the design process helped me in understanding the idea of integrated design process as the stakeholders were of different industrial background.
- Explored the concept of super imposing an existing PEB building for an adapted use of local farmer’s market with provision for restaurants and other related amenities.

Skills :  -----------------------------------------------------------------------------------------------

- AutoCAD
- Tableau
- Data Entry
- Rhino
- Product design
- Data Analysis
- Grasshopper
- Lighting design
eQuest
- Photoshop
- 3D Printing
- iesve
- Illustrator
- Laser cutting
- Ms office
- Tsplines
- Project Management
- Parametric Design
Profile

Highly proactive and versatile experienced construction manager with deep understanding of mechanical, structural, and geotechnical engineering knowledge. Interested in developing construction projects and implementing technical and leadership knowledge in providing opportunities to generate positive economic, environmental, and social impact while achieving sustainable development. Currently sharpening skills by doing UBC’s Master of Engineering Leadership program, specializing in High Performance Building and Business Fundamentals.

Areas of Expertise

- Construction Management
- Civil Project Supervisory
- Building Project Supervisory
- Safety Engineering & IH
- Energy and Sustainability Consultant
- Budget and Account Supervision
- Global Business and Development
- Regulatory Compliance and Standards
- Soil Lab & Field Testing
- Geotechnical projects
- LCA Analysis
- Data Analysis

Experience

Enhanced managerial and leadership skills, sustainable building design and Life Cycle Assessment by graduating from Master of Engineering leadership in High Performance Building of UBC Vancouver.

- Adept in business and leadership skills, analyzing financial statements, formulating strategies, managing operations and marketing, and presenting data analytics (Tableau).
- Proved entrepreneurial skills by raising 70% profit from planning, investing, developing, and managing a luxurious residential building project.
- Hands on financial, marketing, organizational experience working in a global business company. Familiar with insurance, invoice, Issuance of Import & Commodity Clearances.
- Familiar with residential and industrial construction, renovation, terms and conditions of project contracts, subcontracts, and purchases by working more than 10 years in construction industry.

Construction manager (Full-Time); Shayan Gostare Navid and Ista Banaye Shayan Engineering Company (Full-Time), Tehran (Iran) [http://shayanabniyeh.com/](http://shayanabniyeh.com/) 21/03/2016–01/12/2019

- Supervise technicians and contractors and review designs and cost estimates of the project.
- Ensured that the Occupation Health and Safety rule is carried out
- Onsite Planning, Coordination, Quality control by ensuring changes to execution are documented
- Preparing contracts and negotiating revisions, changes, and additions to contractual agreements with architects, consultants, clients, suppliers, and subcontractors.
- Preparing and submitting budget estimates and progress and cost tracking reports.
- Adhering to legal regulations, building and safety codes, and Obtaining all necessary permits.
Superintendent and consultant engineering (Full-Time): Negah eye Hospital, Tehran (Iran), Tehran (Iran) [http://negaheyehospital.com] 22/06/2015–20/03/2016

- Coordinating & supervising the development of the project while maintaining construction schedule.
- Performing inspections and testing as required to ensure adherence to the contract document.
- Working with subcontractors and suppliers to schedule deliveries.
- Performing measurements to establish the quantities of completed work for cost-reporting.


- Inspecting construction site randomly and providing an expert opinion for defect in urban projects.
- Handling city dwellers complaints regarding property developer's contraventions.
- Corresponding to Tehran Construction Engineering Organization in case of engineer negligence.
- Monitoring hazardous excavation sites and their activities.
- Inspecting steel framework, concrete forms, reinforcing steel mesh and rods, concrete or pre-stressed concrete to ensure quality standards and to verify conformance to specifications and building codes.

Consultant Engineer and Business Assistant:

- Conducting a site investigation and collecting data while involving in the design of civil projects.
- Responsible for inspecting construction improvement, shop drawing and construction sheets.
- Helping to estimate the cost of the construction and engineering work required using codes.
- Collecting documents including freight insurance, Health certificate, and bank documents.
- Managing accounts payable/receivable, record cash and check customers transactions.
- Strategy, budget analysis, financial statements and searching regulations tariff's conditions.
- Computing international fees for each shipment and keeping track of shipment payments.

Education

MEL (Master of Engineering Leadership) in High Performance Building
University of British Columbia, BC (Vancouver)
- Completed technical courses regarding Green building design, LCA, Sustainable and Regenerative design, Building Energy Modeling and simulation using eQUEST and IES as Capstone project.
- Completed business & leadership courses offered by Sauder School of Business Courses as part of MEL in areas of operations, finance, strategy, marketing Entrepreneurship and Creative destruction Lab

M.Sc. Degree in Civil Engineering - Soil and Foundation Mechanics (Islamic Azad University - Zanjan Branch, Zanjan (Iran))
- Thesis Subject: Evaluating the Effects of Geotextiles on Seismic Amplification in Slope Topographies Using Numerical Analysis

B.Sc. Civil Engineering (4 years) Islamic Azad University - South Tehran Branch, Tehran (Iran)

| Skills                          |  |
|--------------------------------|  |
| IES, eQUEST & Climate Consultant| Tableau Business Intelligence and Analytics Software |
| Plaxis, Geoslope, Flac, Seismosignal | Adobe Photoshop (Illustrator, Lightroom, Bridge) |
| Etabs and Safe                  | Design codes ASCE 7, AISC, ACI 318, and ACI 349 |
| AutoCAD 2D and 3D               | Professional Engineer (PE) construction engineer |
| MS Office                       | Professional Engineer (PE) inspector engineer |
PROFILE

I am a green building council accredited architect with Master’s in Building Engineering and Management. My architectural background with exposure to climatic responsive design, design management, project coordination with internationally acclaimed consultants and considerable work experience has provided me with exceptional knowledge of complete project cycles, integrated design, design management, sustainable practices, building engineering, project control and execution.

Currently honing my technical, management and legal skills by perusing the Master of Engineering Leadership program, specializing in High Performance Buildings at UBC. Available for full time work opportunities by end of year 2020 and looking forward to work on projects intending a positive impact on our environment and community.

SUMMARY OF QUALIFICATIONS

• Highly skilled in remotely coordinating projects with consultants and other stakeholders.
• Notable experience of working with international consultants like Studio U+A (London, New York), Tierra (Singapore), Lighting Planners Associates (Japan), Super Potato co., ltd (Japan), CHADA (Australia), Allied Metals (Thailand), Etc. for coordinating various projects in India.
• Impeccable record of employing value engineering, novel sustainability and execution solutions for ensuring high quality deliverables within the schedule and on the budget.
• Good knowledge across all facets of construction and operations. Hands-on experience for handling architectural, engineering, civil, contractual and building regulations related issues.
• Substantial experience in working across all stages of project, right from the pre-design to post construction phase.
• Practiced to proficiently steer project feasibility, consultant evaluation, finalization of design, review statutory requirement, incorporate sustainable practices, finalization of contracts, etc. during the pre-design and design stage of a project.
• Extensive experience of monitoring the execution of work, reviewing the working drawings, shop drawings, quality of executed work, approving mock-ups, materials, FF&E and resolving site issues during the construction phase of a project.
• Longstanding participation in review and approval of executed work, impact evaluation, asset management, retrofit for energy efficient design and services in post construction project stage.

PROFESSIONAL EXPERIENCE

CENTRAL PUBLIC WORKS DEPARTMENT (Govt. of India) - (Deputy Architect)  Mar’17 – Present
• Steered the design for a housing complex, hospital building and some interior projects for government of India, especially the central reserve police force and the income tax department.
• Worked alongside senior governmental leaders and sustainability organizations to implement a range of policies regarding sustainable development in the department.
• As in-charge for training the officers of the architecture cadre of the department, coordinated for completion of various trainings at the national CPWD training institute

FREELANCING – New Delhi - (Architect and Guest Faculty)  Jan’16 – Mar’17
• Worked as a freelance consultant offering architectural and project management services for projects of hospitality, residential, interior & furniture design, etc.
• As a guest faculty, took classes of fire safety and project management for architecture students.
INDRAPRASTHA UNIVERSITY - New Delhi - (Associate Professor - Architecture) Aug’15 – Jan’16

• As an Associate Professor, conducted classes for design, construction, management, etc.
• Had active involvement in managing miscellaneous academic and administrative work of the department.

M3M INDIA PRIVATE LIMITED – Gurgaon – (Senior Manager – Interiors) Mar’15 – Jun’15

• Successfully coordinated for finalization of design and mockups for two commercial projects, sample apartments, and a club with fitness center.

VATIKA GROUP – (Gurgaon) - (Senior Manager – Design Management) Aug’09 – Feb’15

• Involved in major flagship projects of the company and on most projects worked on all the stages of various projects.
• Successfully completed THE WESTIN RESORT AND SPA (a 35 Acre property with 100+ luxurious villas and rooms), THE LAP (7000 Sqft area club attached to 5 Star Hotel), THE WESTIN (500+ keys hotel), and VATIKA CITY (Housing project with 1500+ apartments).
• As the site architect and design manager, coordinated with international consultants, hotel's operation team, legal team, marketing, contractors, etc. for timely project completion of the projects.
• The entrusted responsibilities included working on-site with contractors for execution of work, approving materials, finishes, quantities and checking quality of executed work for handover.
• Spearheaded the renovation and development of the Westin resort which included retrofitting HVAC/BAS system, addition of a 6000 Sqft banqueting facility, a fishpond and augmentation of services for these additions.

CERTIFICATIONS AND PROFICIENCIES

• Accredited Green building professional (IGBC)
• Registered with council of architecture (India)
• Integrated Design
• Sustainability & Leadership
• Regenerative development
• Design management
• Life cycle assessment
• Project execution
• Procurement management
• Project control
• Legal issues in construction
• Contract management
• Operations
• Cost analysis
• Teamwork and leadership
• AutoCAD
• IESVE Software
• eQuest
• Data Analytics (Tableau)

ACADEMIC QUALIFICATIONS

MASTER OF ENGINEERING LEADERSHIP - High Performance Buildings The University of British Columbia, Canada

• The High-Performance Buildings division of the MEL program covers all aspects of design, engineering, management and environment required to lead sustainable building projects.
• Key course topics undertaken include – green building contemporary practice, energy systems, building modelling and simulation, regenerative development, legal aspects of project management, operations and logistics, leadership, strategy, sustainability and innovation.

MASTER OF BUILDING ENGINEERING AND MANAGEMENT School of Planning and Architecture, Delhi (India)

• The MBEM upskills professions to deal with complex construction processes by coordinating with domain specialists from concept formulation through to project completion.
• Key course topics undertaken include – project management, building science, building and structure systems, specialised services, professional practice, project finance and computer applications.

BACHELOR OF ARCHITECTURE (Hons.) Malaviya National Institute of Technology, Jaipur (India)
Christopher Moore
c.philip.moore@gmail.com    778.251.3570    linkedin.com/in/c-p-moore

SKILLS

Building Energy Efficiency: HVAC design, IES and eQuest energy modelling, energy benchmarking  
Mechanical Engineering: HVAC, plumbing and refrigeration system development and optimization  
Sustainability Certification: LEED Green Associate, Certified Passive House Consultant (pending)  
Project Management: Project tracking & reporting, team management, client interaction  
Technical Communication: Design discussions with stakeholders, tech writing, presentations  
Engineering Procurement: Bid evaluations, vendor communication, purchase specs, RFQs  
Data & Software: Access, Tableau data visualization, AutoCAD, MS Project, VBA

ACHIEVEMENTS

• Created construction design guidelines for building energy efficiency and accessibility used on four  
  projects totalling $80M for a social housing non-profit  
• Led on-site engineering design team for a $12M naval HVAC-R project  
• Developed policy recommendations to successfully implement energy benchmarking of 3000  
  complex buildings in the Capital Region  
• Currently completing a Master of Engineering Leadership in High-Performance Buildings, combining  
  expertise in building science with MBA-level business and leadership courses

EXPERIENCE

COMMUNITY ENERGY COORDINATOR    Current
UNIVERSITY OF BRITISH COLUMBIA, SUSTAINABILITY & ENGINEERING, VANCOUVER
• Supporting policy and program development related to low-carbon, energy-efficient communities  
• Benchmarking building energy use, using Energy Star Portfolio Manager, including utility energy  
  and water consumption information, data entry and report generation  
• Development of data visualization approaches to effectively communicate benchmarking results via  
  reports and presentations

POLICY RESEARCH ANALYST & SUSTAINABILITY SCHOLAR   2020
CAPITAL REGIONAL DISTRICT, VICTORIA
• Developing policy recommendations to implement energy benchmarking of 3000 complex buildings  
• Analyzing property management data to quantify the opportunity to benchmark complex buildings  
  in the region’s 13 municipalities and 3 electoral districts

TECHNICAL PROJECT ASSISTANT, REAL ESTATE DEVELOPMENT   2020
BRIGHTSIDE COMMUNITY HOMES, VANCOUVER
• Creating construction design guidelines for building energy efficiency and accessibility for a social  
  housing non-profit and used on four projects totalling $80M  
• Analyzing energy benefits of $20M Passive House redevelopment compared to current building use  
• Presenting technical results to board members and non-technical staff informatively and  
  engagingly
ADDITIONAL EXPERIENCE

MECHANICAL SYSTEMS ENGINEER (EIT) 2019
VARD MARINE, VANCOUVER
• Producing an HVAC design study with strategies to increase energy efficiency and reduce fuel costs by $100,000 annually for a Coast Guard icebreaker vessel
• Generating a preliminary HVAC strategy and cost estimate for a US Navy supply vessel

ON-SITE ENGINEERING LEAD, HVAC-R 2018 – 2019
TRIDENT MARITIME SYSTEMS, VANCOUVER
• Leading on-site engineering design team for a $12M naval HVAC-R project as client-facing technical expert for ventilation and heating/cooling piping design
• Producing heat load calculations, duct design, pressure and noise calculations, equipment specifications, and production plans to successfully submit HVAC engineering designs
• Managing internal team and external contractors to complete deliverables within cost and schedule

PROJECT ENGINEER & PROJECT MANAGER, HVAC 2014 – 2018
AERIUS MARINE, HAMBURG (GERMANY) & VANCOUVER (CANADA)
• Managing a team to offer a supply strategy of €3M of HVAC service parts for 16 cruise ships using engineering, predictive software analysis, and market contacts to provide 5% cost saving
• Developing cooperative logistics processes addressing multiple stakeholders with BPMN standards
• Generating project tracking and reporting including Gantt Charts and Kanban Trackers
• Calculating energy models to size HVAC systems incorporating transfer coefficients, radiation gains, internal heat loads, utilization factors, and client demands
• Selecting and optimizing HVAC equipment such as AHUs, fans, heaters, ducting systems, terminals
• Managing a team to develop commissioning documentation for on-site teams

ASSISTANT ENGLISH LANGUAGE TEACHER 2011 – 2013
JET PROGRAMME, SAGA PREFECTURAL BOARD OF EDUCATION, JAPAN
• Planning and instructing daily lessons within high-school system to 800 students/month
• Recognizing individualized needs of target audiences to develop effective lessons within time, budgetary, and curricular frameworks to improve quality of language programs at 3 high schools
• Developing and delivering presentations to 20 teachers regarding English teaching strategies

EDUCATION

MASTER OF ENGINEERING LEADERSHIP, HIGH-PERFORMANCE BUILDINGS Current
University of British Columbia
• Technical focus in building energy systems, energy modelling, data analytics & visualization
• MBA-level courses in organizational behaviour & leadership as well as strategy & decision-making
• Sustainability-focus in green building policy, regenerative design, and leadership in sustainability
• Capstone projects in the energy-efficient retrofit of a campus building and a green new building design based on the passive house Gastown childcare centres
• Student Executive Committee, Vice President

BACHELOR OF SCIENCE, MECHANICAL ENGINEERING 2011
University of Calgary
Mriganka Nath
Architectural Technologist
MEL High-Performance Buildings

Skills
• Autodesk Revit, AutoCAD
• IES Virtual Environment
• EQuest
• Microsoft office
• Tableau
• MS Project
• Primavera
• Sketchup
• Photoshop
• Bluebeam

Professional Summary
• Architect with over 5 years of experience in the international construction industry including North America, the Middle East, India, and Australia.
• Adept with technical expertise for a diverse range of projects.
• Excellent at maintaining long term clientele relationships
• Proficient in Sustainable building design and construction practices.
• Adept with skills of Design, Project management, Business Development, Project Coordination, and Leadership.
• Skilled in Industry trend Analysis.
• Profound knowledge of LCA from the Cradle to Grave process.
• Pursuing architectural licensure, LEED, Living Building Challenge, and Passive house credentials in Canada.

Experience
Key Projects:
• Amazon Warehouses
• CP Rail Port Coquitlam
• TransLink Skytrain Stations
• Dubai Financial Market, Dubai
• Media Zone, Abu Dhabi
• Chennai International Airport, India
• MOTC Bus Depots & Terminals, Oman
• RDE (Tourism Destination Development), Qatar
• Shams Marina, Abu Dhabi
• McDonald’s Redevelopment Plan, USA
• Al-Jazeera Mall, Abu Dhabi
• Fluor Office Interiors, India
• PWC Office Interiors, India

AECOM | Architectural Technologist
MARCH 2020 – PRESENT | BURNABY, CANADA
Clients: Amazon, TransLink, CP Rail
• Worked in a diverse scope of work ranging from design and audit to post-execution reports.
• As part of a team, delivered projects in Scheduled design and Detailed design stages from concept design stage.
• Currently working on multiple retrofit projects.
• Worked as a team in project bidding and BD process.

AECOM | Architect
AUG 2017 – DEC 2019 | NEW DELHI, INDIA
Clients: McDonald’s, ASAAS, Al-Jazeera, MZA, Aldar, AAI
• Worked extensively on various International & National Projects as either a Lead or part of a team.
• FIFA 2022 Stadiums, Qatar
• Palm Island Palm tower, Abu Dhabi
• Woolworths Retail Stores, Australia
• Coles Retail Stores, Australia
• Developed projects through the entire life cycle from concept design and design development to IFC phases.
• Designed building using result-oriented techniques to produce efficient sustainable structures.
• Carried out coordination activities with multiple stakeholders such as Civil, MEP, Landscape, FLS, Infrastructure, and various other specialized consultants as per project requirements.

**VIA DESIGN LLP | Architect**
May 2017 – AUG 2017 | NEW DELHI, INDIA

Clients: PWC, Fluor
• Complete project delivery from Design to Execution
• Preparing required drawings for projects from conceptual sketches to GFC
• Coordinating with various consultants, vendors, Contractors for the efficient execution of projects.

**DDF CONSULTANTS | Architect**
DEC 2015 – APR 2017 | NEW DELHI, INDIA

Clients: Government of India
• Design and development of projects according to the project requirements.
• Worked on multiple projects ranging from institutional, residential, commercial, healthcare, and educational.
• Primarily worked on government projects with clients like Engineers India Ltd, National Building Construction Corporation Ltd, Central Public Works Department, Etc.
• Development of project from conceptualization presentation to sanction drawings and execution.

**University of British Columbia | MEL HPB**
JANUARY 2020 – DECEMBER 2020 | VANCOUVER

Professional Masters’s degree with a hybrid of technical and management courses such as Organizational Leadership, Contemporary Green buildings, Decision making for Managers, Energy Modelling, Strategy & innovation, Regenerative Development, Building systems, etc.

**Manipal University / B.Arch**
JUNE 2010 – MAY 2015, INDIA

Professional Bachelor's degree in Architecture with courses like Architecture Design, Building Construction, Professional Practice, Research, Thesis, etc.
Qualification Profile
Multidisciplinary professional who believes in the power of sustainability practice, green design, and renewable resources in all industry

- Experienced in business managerial positions in Indonesia, including hiring, delegation, and managing marine livestock export supply chain
- Have successfully completed courses in Data Visualisation & Analysis, and Whole Building Energy Modeling & Analysis at UBC, where I acquired skills in Tableau, E-Quest, and IESVE
- Well versed in multidisciplinary and multicultural contexts (native speaker of Indonesian)
- Professionally trained in architecture and interior design fields in the USA and Indonesia
- Knowledgeable in the use of AutoCAD, SketchUp, and office productivity softwares

Professional Experience
Facilities Planning Assistant
*UBC The Faculty of Education-Dean's Office, Vancouver, Canada* Oct 2020 - Mar 2021
- Assist the facilities team with projects involving space planning, renovations and maintenance by liaising with Building Operations, Project Services and contractors, as required
- Assist in facilities-related policy planning, including the establishment and implementation of SOPs for building access, use of shared space/equipment/vehicle, recycling and disposal of office equipment /equipment

Co-founder & Commissioner
*PT. Sumbawa Lautan Prima, Sumbawa, Indonesia* Dec 2016 - Dec 2019
- Successfully used extensive network to link technical and financial resources to startup an ocean aquaculture farming business
- Awarded 2017 Short Term Australia Award on Sustainable Aquaculture

Director
*PT. Tirta Samudra Atmaji, Tangerang, Indonesia* May 2015 - Apr 2017
- Successfully started and managed a new branch facility for marine livestock export on a separate location, dwelling from previous experience at PT Banyu Biru Sentosa
- Effectively represented company in 2016 MACNA (Marine Aquarium Conference of North America), which resulted in brand recognition especially in North America market and brought new customers
- Successfully guided the new company in obtaining certifications required by the Indonesian Government to operate marine livestock export company

Finance Director
*PT. Banyu Biru Sentosa, Jakarta, Indonesia* Jul 2013 - Jul 2014
- Successfully increased proactive communication with clients abroad, which increased brand-loyalty among existing customers and attracted 10% new clients from Asia, USA, and Europe
- Effectively managed the entire marine livestock export supply chain, and in doing so greatly reduced mortality rate in husbandry, and increased order fill-in-rate from 70-80% to over 85% on average, which increased customer satisfaction and subsequently increased order
- Successfully managed software migration and operational transition in finance department, which improved the speed of generating financial documents needed in management decisions
Owner and Principal Architect

*PM Studio*, Jakarta, Indonesia  
Apr 2004 - Jan 2013
- Managed contract based interior-architecture design consultant specializing in upscale projects

Junior Architectural Designer

*Huntsman Architectural Group*, San Francisco, CA, USA  
Sep 2000 - Sep 2003
- Assisted project architects ranging from commercial interiors, accessibility upgrades, and historic building renovations
- "Petcase" design selected to represent company to compete in 2002 PAWS (Pets Are Wonderful Supports) show in SF, sponsored by Steelcase (world-known office furnishing manufacturer)

**ADDITIONAL EXPERIENCE**

Cashier and Aisle Associate

*Staples*, Vancouver, Canada  
Aug 2020 - Present
- Responsible for handling customer payments and ensuring shopping aisles are well stocked

Part Time Lecturer

*Multimedia Nusantara University*, Tangerang, Indonesia  
Sep 2010 - Jan 2011
- Delivered courses in Shape Analysis and Color Theory to first year undergraduate students

Part Time Lecturer & Final Interior Design Project Advisor

*Pelita Harapan University*, Tangerang, Indonesia  
Jan 2008 - Aug 2012
- Delivered lectures and supervised interior design studios in a dual-degree program in collaboration with Queensland University of Technology, Australia. Language of instruction: English

**EDUCATION & CREDENTIALS**

Master of Engineering Leadership, specializing in High Performance Building

*University of British Columbia*, Vancouver BC, Canada  
Expected graduation Dec 2020

Master of Hospital Management (with thesis)

*International Executive Master of Management*

*Pelita Harapan University*, Jakarta, Indonesia  
Expected degree conferred Nov 2020
- Major courses: Hospital Business Management, Epidemiology, Statistics, Thesis writing

Master of Interior Architecture

*University of Oregon*, Eugene, OR, USA
- Final project: African-American Cultural Center in Portland, Oregon, USA
- Graduate Teaching Fellow, Graduate Administrative Fellow, International Cultural Service Award

Bachelor of Architecture Engineering (with thesis)

*Parahyangan Catholic University*, Bandung, Indonesia
- Final project: Environmental Education Center with renewable energy concept and live-in facility in Jatinangor, West Java, Indonesia

Participant - Short term workshop in Managing Innovation

*Harvard Extension School*, Boston, MA, USA  
Jun 2019

Trainee - Basic accounting

*Institute of Indonesia Chartered Accountants*, Tangerang, Indonesia  
Apr - Jun 2015
ANDRES SEARLE  
andres.searle@gmail.com | +1 604 355 4637 | www.linkedin.com/in/andres-searle

PROFILE
Proactive engineer passionate about regenerative development and energy efficiency. I believe technology is key to achieve sustainable communities. Vastly experienced in project management and highly trained in energy efficiency principles, I have the skill to understand and simplify complex information identifying the essential without losing sight of the big picture. I see my life as a continuous learning process, and I like to challenge myself as part of it.

SUMMARY OF QUALIFICATIONS
• Experienced in project management and coordination
• Vastly experienced in leading building design and construction teams.
• Proven capability of quickly understanding complex processes
• Experienced in dealing effectively with architects, engineers, contractors, City Departments, and the general public to establish cooperative working relationships.
• Knowledge of current and emerging sustainability principles, regulations and technologies related to energy management, GHG emissions reduction, and climate change mitigation and adaptation
• Excellent interpersonal skills, including collaboration, conflict resolution and relationship building
• Strongly enhanced professional technical skills by pursuing the Master of Engineering Leadership degree in UBC, and broadened knowledge of Building Energy Systems, Energy Modeling, and Regenerative Development
• Enhanced professional business skills in project management, project valuation, financial analysis, operations management, data visualization and organizational leadership.
• Ability to multi-task and prioritize among assignments with a strong adherence to deadlines.
• Autonomous and capable of working without supervision
• Highly developed time management skills

WORK EXPERIENCE
CAPSTONE PROJECT  
University of British Columbia  
Vancouver, Canada. May 2020 – Dec 2020
• Greening an Existing Building: UBC Engineering Student Centre.
• New Building Energy System Design: Gastown Childcare

PROJECT MANAGER  
Moller & Perez-Cotapos  
Santiago, Chile. Jul 2018 – Nov 2019
• Most prestigious Real Estate Development Company in Chile according to GFK Ranking in 2018.
• Successfully led the design and construction of three high rise building projects, I managed to reduce the coordination period by 2 months.
• Saved 15% in utility cost for building owners by incorporating a more efficient domestic water heating system during the design process.
• Led the first BIM coordinated project in the company, defining the path for future developments.

PROJECT COORDINATOR  
Puerto Capital Inmobiliaria  
Santiago, Chile. May 2015 – Jul 2018
• Recently established Real Estate Development Company.
• Successfully led the design and construction teams of four mid-rise building projects within budget.
• Saved 15% in utility cost for building owners by incorporating a more efficient domestic water heating system during the design process.
• Led the first BIM coordinated project in the company, defining the path for future developments.
• Standardized the company’s building design and construction process by developing and implementing a detailed flow diagram.

OWNER’S ENGINEER
Hotel Cumbres Lastarria  
Santiago, Chile. Ago 2013 – May 2015
• LEED Certified Hotel.
• Successfully assisted and guided the LEED certification process on site.
• Supervised the whole construction according to the Chilean building codes.
• Proposed and supervised the installation of a successful solar heating system for domestic hot water.

TECHNICAL SKILLS
• Project management
• Energy modeling
• Data analytics
• Project coordination
• Technical drafting
• Technical writing
• Project documentation
• Software proficiency: AutoCAD, eQUEST, Revit, Office, Tableau, IESVE.
• Familiar with ASHRAE standard 55, 62.1, 90.1
• Familiar with NECB 2015

EDUCATION
MASTER OF ENGINEERING LEADERSHIP IN HIGH PERFORMANCE BUILDINGS  
University of British Columbia  
Vancouver, Canada

INDUSTRIAL ENGINEERING
Universidad Tecnica Federico Santa Maria  
Santiago, Chile

CONSTRUCTION MANAGEMENT
Pontificia Universidad Catolica De Chile  
Santiago, Chile

PERSONAL
• Languages: Native Spanish, advanced English.
• Community service involvement at Proyecta UC: Built 10+ social modular houses for low resource communities in Chile (2008-14).
• Traveling: Visited 20+ countries.
RIYA TOLIA
778-926-9932          https://www.linkedin.com/in/riya-tolia-6a3747128/          riyatolia@gmail.com

Profile
- Architect and Green Building enthusiast with hands-on experience in planning, designing and executing numerous projects of different scales and typologies. Passionate about sustainable architecture that leads to a transition from conventional practices to carbon-neutral strategies. Currently enrolled in UBC’s Master of Engineering Leadership in High Performance Buildings.

Key Competencies
- Architect with experience in reviewing, analyzing, designing and project management consulting for residential, commercial, institutional, recreational and healthcare projects to ensure compliance with bylaws and green building standards.
- Experienced with architectural designing and energy modeling using AutoCAD, ArchiCAD, Revit, Sketchup, Athena Impact Estimator, HOT2000, eQuest, IES VE, Tableau and MS Office.

Work Experience
Green Building Action Plan Research Assistant                                       Sept. 2020 – April 2021
UBC Campus + Community Planning (10-hour/week flexible commitment)      Vancouver, Canada
- Participate in policy development for UBC’s 2020 priority areas for green buildings: embodied carbon, climate readiness, net-zero buildings and GHG targets.
- Assist in the final roll-up of the next version of UBC’s Residential Environmental Assessment Program (REAP) and the Green Building Action Plan.

Sustainability Scholar with the City of Richmond                                 May 2020 – August 2020
UBC Sustainability Initiative                                                                                    Vancouver, Canada
- Successfully assessed embodied emissions of Part 9 single-family residence built to the various tiers and performance energy metrics of the BC Energy Step Code.
- Carried out Whole Building Life Cycle Assessment (WBLCA) in Step 1 – Step 5 houses leading to a 90% increase in embodied and 95% reduction in operational emissions in a Step 5 house.

Consulting Architect                                                                                    Dec 2016 – Nov 2019
PDCOR Ltd. (Project Management Consultancy for the State Government)      Jaipur, India
- Reviewed plans, architectural details and working drawings for commercial, institutional, sports and healthcare projects to ensure compliance with the local bylaws and other related standards.
- Facilitated client meeting and discussions with contractors, architects, engineers and other stakeholders for finalising building designs and obtaining approvals as per the requirements.
- Conducted GIS Mapping, site survey and carried out surveys to make development proposals at 200 tourist sites for over INR 400 crores in Rajasthan implemented under Swadesh Darshan Scheme of Ministry of Tourism, Government of India.
- Conducted market analysis, feasibility assessment, and financial study to layout proposals and architectural designs for construction of 9 district hospitals worth INR 250 Crores.
**Part time Architect**  
Feb 2017 – Jun 2019  
*D Sketchbook (Contractors, Architecture and Interior Design Firm)*  
Jaipur, India  
- Prepared architectural drawings, plans, cost estimates and construction drawings for 8 single family houses, 5 multi-unit residences and a school as per the local building bylaws.  
- Modelled budget calculations and cost estimates incorporating construction costs.

**Principal Architect**  
Jan 2018 – Nov 2019  
*Freelance Works (Architecture and Interior Designing Projects)*  
Jaipur and Mumbai, India  
- Renovated and re-designed a three-storey Old Age Home into a Management Institute.  
- Planned, designed and executed 4 residential bungalows, 2 apartment buildings and 3 cafeterias in Jaipur, Rajasthan as per the principles and standards for load bearing construction.  
- Coordinated on-site construction with multiple stakeholders such as civil, mechanical, structural engineers, landscape designers, electrical and plumbing technicians.

**Education**

**Master of Engineering Leadership in High Performance Buildings**  
Jan 2020 – Dec 2020  
*University of British Columbia*  
Vancouver, Canada  
- Key Coursework: Bylaws and Green Building Standards; Building Energy Systems; Data Analytics; Energy Modelling; Accounting Principles; Marketing Strategies; Organisational Leadership.  
- Sustainable building strategies and their integration in codes to achieve net-zero resiliency.

**Bachelor of Architecture**  
Aug 2011 – May 2016  
*Aayojan School of Architecture*  
Jaipur, India  
- Key Coursework: Architectural Design; Building Construction; Climatology; Design of Sustainable Energy Systems; Passive Building Designs; Climatology; History of Architecture.  
- Studied architectural design techniques as per building specific needs, users, site and regional context which lead energy efficient and affordable design solutions.

**Academic Experience**

**UBC SEEDS Program: Policy Approach to reducing Embodied Carbon Emissions on UBC**  
- Researched about current best practices and policies to understand the concepts and strategies to reduce embodied emissions at UBC to meet the Green Building Action Plan (GBAP) targets.

**UBC Capstone Project “Greening Existing Buildings”: Engineering Student Centre**  
- Performed energy modelling simulations using IES VE to suggest energy upgrade options for the Engineering Student Centre to reduce its overall energy consumption by 84%.

**Skills and Interests**

- **Software Skills:** AutoCAD, ArchiCAD, Revit, Sketchup, Lumion, Vray, HOT2000, Athena Impact Estimator, eQuest, IES VE 2019, Taco Load, Tableau, MS Office, Adobe Photoshop, InDesign.

- **Interests:** Sustainability and Green Building Designs, reducing carbon and GHG emissions, research in Embodied Emissions, carrying out WB-LCAs, Net-Zero practices, Biomimicry, Energy Modelling and BIM, Trekking, Singing, Ukulele, DIYs.
YARA YOUNAN
ARCHITECT

CONTACT
yarayounan8@gmail.com
236 866 6965

PROFILE
Linkedin Profile: linkedin.com/in/yara-younan-b5b2b2101
Current Address: Downtown Vancouver
Languages: English, French, Arabic

EDUCATION HISTORY
• MEL IN HIGH PERFORMANCE BUILDINGS
  University of British Columbia
• BACHELOR OF ARCHITECTURE
  American University of Beirut

EXPERIENCE (3 years+)
1. PROJECT ARCHITECT // 2 years+
   2017 - 2019 | PARALX | Beirut
2. FREELANCE ARCHITECT // 4 months
   2019 | Zoghi Family | Beirut | Flying deck design and execution
3. INTERIOR ARCHITECT // 10 months
   2018 - 2019 | Roots Group | Beirut | Offices Interior Design
4. INTERN ARCHITECT // 3 months
   2016 | DNA Architects | Barcelona
5. INTERN ARCHITECT // 3 months
   2015 | Dam and Partners Architects | Amsterdam

COMMUNITY ENGAGEMENT
1. WORKSHOP // 4 months
   2016 | Part of the Di-Lab team, designed and built a smart climatic responsive library in the Kayani refugee school in the Bekaa.
2. WORKSHOP // 3 months
   2015 | Worked with the Civil Engineering Society of AUB on designing and building refugee shelters and public gardens
3. COMPETITION // 2 months
   2014 | Development of the Adlie roundabout and underpass, by BLC

ACCOMPLISHMENTS
• Received the first place award in the competition to design the new architecture school of the American University of Beirut.
• Co-Founder of the Architecture Student Society at AUB
FIND YOUR NEXT GREAT HIRE.

Add value to your organization with a professional who can bring cross-functional technical and business expertise to complex water management issues.

INTEGRATED WATER MANAGEMENT
BUILD YOUR TEAM FOR THE BETTER

Graduates of the UBC Master of Engineering Leadership in Integrated Water Management are ready to step into a range of professional roles – from environmental and resource engineering to wastewater planning and managing complex sustainability projects.

They have the multidisciplinary technical expertise needed to address evolving water management demands, and the business skills to collaborate with stakeholders in developing and implementing innovative solutions.

Learn more as to how they can add value to your team.

CLASS OF 2020

Jason Koepke
Sean Mercer
Hassan Shaukat
Profile
A highly motivated water professional with over 4 years of experience in water resource management and technical experience. I will complete my Master of Engineering Leadership (MEL) in Integrated Water Management at UBC December 2020, and am keen to pursue opportunities where technical, business, and societal problems meet for effective water management.

Summary of Qualifications
- Highly proficient technical skills including contaminated site remediation, well drilling, water quality testing, water flow measurement and hydrological analysis.
- Demonstrated management experience including project coordination, subcontractors management and staff training.
- Strong verbal and written communication skills.
- Logical and practical thinker who asks questions, tries new things, and solves unusual problems.

Education
Master of Engineering Leadership: Integrated Water Management
University of British Columbia – Vancouver, BC
- Faculty of Applied Science and Sauder School of Business course-based professional degree.
- Key course work includes: Engineering Hydrology, Fluid Mechanics, Water and Wastewater Systems, Watershed Management, Organizational Behaviour, Business Acumen and Operations and Logistics,

Bachelor of Science in Environmental Studies
Trinity Western University – Langley, BC

Experience
Intermediate Environmental Scientist *Promoted within 16 months for exceeding goals and supporting company culture
Hemmera, An Ausenco Company – Vancouver, BC
- Provided technical leadership in ground and surface water sampling, well drilling and development, water quality monitoring, stream flow measurements and sanitary sewer discharge and flow sampling.
- Conducted environmental/construction monitoring, spill response, hydroacoustic monitoring, air quality monitoring, soil vapour sampling and soil sampling at a variety of different sites throughout Canada.
- Responsible for post field tabulation/ data analysis, health and safety plans, report writing, contributing to proposals, liaising with clients and project management.
- Maintained a utilization of 93%, which exceeded utilization targets despite completing coursework and working remotely.
Junior Environmental Scientist  
Hemmera, An Ausenco Company – Vancouver, BC

- Provided technical support for Phase I, II and III site investigations. Delivered input across project bids, design reviews, and quality conformance.
- Led Hemmera’s equipment program, which involved performing and documenting setup, maintenance, repair, and calibration of field work equipment. I also procured, coordinated, organized and ordered spare parts, equipment, and consumables inventory while providing urgent assistance to consultants & end users.
- Overhauled equipment program systems and completed self-directed changes to increase profit from 22,000 in 2016 to 83,000 in 2017 all while meeting customer requirements/deadlines.
- Developed considerable problem-solving skills, budgetary abilities, excellent written and verbal communication abilities, a strong aptitude for multi-tasking and a strong sense of customer service.

Community Development Intern  
SIM – Mahadaga, Burkina Faso

- Aided in designing and fabricating an improved water distribution system. This involved sourcing available parts, creating a design, and building, testing and installing infrastructure.
- Advised and managed a local well drilling team providing them with technical knowledge and business expertise. Water quality tests were also completed.
- Worked as a part of a team comprised of foreigners and nationals. Our team thrived, despite the many different languages and cultures.

Research Assistant  
United States Department of Agriculture – Washington, USA

- Contributed to a team dedicated to finding a sustainable deterrent to bird predation in fruit crops.
- Designed methods to test hypothesis and developed a network of contributing stakeholders.
- Completed a senior thesis on findings and presented research at two academic conferences.

Skills

- Well Drilling
- Water Quality Testing
- Wastewater Treatment
- Hydrology
- Project Management
- Data Analysis
- Operations and Logistics
- Accounting
- Programming
- Troubleshooting
- Written/Verbal Communication
- Teamwork

Awards, Recognitions & Designations

- Articling Agrologist  
  Sept. 2020 - Present
- Innovation Champion, Hemmera  
  June. 2017 – Present
- Env. Monitoring for Construction Projects Practitioner Certification  
  Nov. 2018

Community Engagement

Ausenco Foundation Champion: Run and Read Program  
Maywood Community School – Burnaby, BC  
Sept. 2018 – Present

Member  
BC Waste Water Association: UBC Student Chapter – Vancouver, BC  
Mar. 2020 – Present
Profile
A dedicated wastewater professional with passion for sustainability and the environment. I aim to make a positive impact in communities to support healthy people and a healthy planet. Currently completing my Master of Engineering Leadership in Integrated Water Management at UBC, I am interested in where technical and societal problems meet for water re-use and resource recovery at a municipal level.

Achievements and Qualifications
- 5 years commissioning water/wastewater facilities, supporting construction, and training operators.
- 5-time award recipient for success in managing projects, meeting deadlines, and delivering results.
- 30+ successful facility start-ups involving mechanical, process, and controls engineering.
- Excellent verbal and written communication skills proven through office and remote field work.

Experience

**Sustainability Scholar Research Analyst**  
*Metro Vancouver and University of British Columbia*  
*Vancouver, BC: Apr. 2020 – Aug. 2020*
- Independently developed database for tracking potential dischargers to the wastewater system.
- Created report and user manual on findings and methodology for the project.

**Lead Commissioning Representative**  
*SUEZ Water Technologies & Solutions*  
- Completed improvement initiatives and commissioning close-out on important projects.
- Provided technical leadership and mentoring to commissioning staff and plant operators.
- Managed troubleshooting of issues at a drinking water site, saving $50K in membrane costs.

**Commissioning Representative**  
*SUEZ WTS (formerly GE W&PT)*  
*Oakville, ON: June 2015 – Apr. 2018*
- Managed installation of membranes and process equipment to optimize system performance.
- Led modifications converting an MBR system to tertiary treatment in an accelerated start-up.
- Graduated GE’s Water Engineering Program with three years of leadership training and field work.

Skills
- Ultrafiltration (UF) Membranes
- Reverse Osmosis (RO) Membranes
- Activated Sludge Bioreactors
- Anaerobic Digestion
- MS Office, PLC and HMI Programming
- Problem Solving and Troubleshooting
- Written/Verbal Communication
- Public Speaking and Presentations

Education

**Master of Engineering Leadership (MEL)**  
*Integrated Water Management*  
*University of British Columbia*  
*Vancouver, BC – Completion: Dec. 2020*

**B. Eng. & Biosciences (Co-op)**  
*Chemical Engineering and Bioengineering*  
*McMaster University*  
*Hamilton, ON – 2015*

Community Engagement

**Vice President: IWME Representative**  
*MEL-MHLP Student Executive Committee*  
*Vancouver, BC*

**Member**  
*BCWWA YP Committee*  
*Vancouver, BC*
Professional Summary

A dynamic, decisive, and collaborative team player, with extensive knowledge of process optimization and troubleshooting. A team leader equipped with patience for managing crisis scenarios. A chemical engineer with 11 years of industrial work experience in a multicultural environment. Worked in construction, commissioning, process, operations, maintenance, supply chain management, procurement, plant management, and asset management of water treatment and various wastewater treatment projects.

Currently pursuing a Master of Engineering Leadership degree in Integrated Water Management at the University of British Columbia, Vancouver, Canada. Available for full time work opportunities by the end of year 2020.

Summary of Qualifications

- Highly skilled at successfully managing multimillion-dollar liquid waste treatment facilities in a regulated project environment and at implementing Strategic Operational Planning techniques.
- Efficaciously experienced at launching new projects, developing operating standards, developing the team and showing excellence by continuous improvement.
- Improved specialized methodological skills by pursuing Master of Engineering Leadership degree in UBC-Vancouver and broadened knowledge of Sustainable circular economy approach.
- Immensely enhanced proficient corporate skills in analyzing financial statements, articulating strategies, examining root cause analysis, decision making by presenting data analytics.

Experience

Plant Manager                                                                                      February 2016 - December 2019
VeBes O&M (Operations and Maintenance) Company – JV of VEOLIA and BESIX, United Arab Emirates
- Prospered the successful operations, maintenance and facility management of a liquid wastewater treatment Plant with a treatment capacity of 130,000 m³/day of domestic wastewater.
- Distinctly accomplished the complex managerial activities in accordance with best practices, companies’ vision and in line with the QHSE policy to ensure contractual compliance.
- Effectively spearheaded a team of 35 diverse personnel, including engineers and supervisors according to defined asset management strategies and business continuity plans
- Actively engaged and cordially represented the water projects at Veolia’s platform for Center of Excellence (COE) for Water Quality, Asset Management and STP.
- Critically accomplished annual budgeted targets of 20 million US dollar per annum, by examining monthly P&L statements, quarterly budgets and forecasting annual operative expenses.
- Provided technical support and quick intervention for required O&M critical events.
- Maintained good client relationship, local community engagement and accident free HSE record.

VeBes O&M (Operations and Maintenance) Company – JV of VEOLIA and BESIX, United Arab Emirates
- Successfully supervised operations and process of 2 Independent Sewage Treatment Plants with a combined capacity of 430,000 m³/day of domestic wastewater.
- As an employee no. 2 in the project, I was selected to engage in the early stage of the project for supervision of commissioning phase, leading to a successful project handover and client recognition.
- Recruited operation and maintenance team and built a procurement portfolio for efficient operations
• Assisted in the implementation of Operations and Maintenance contractual requirements.
• Developed process monitoring protocols, improved automation and control philosophy, defined KPI's, and implemented both internal and external reports and dashboards.
• Developed training plans and engaged in the training for staff as well as the client.

**Commissioning Engineer**  
December 2009- November 2010  

*Veolia (OTV/VWT) - IWPP Fujairah 2, Reverse Osmosis Plant, Fujairah, UAE*  
• Engaged in pre-commissioning and commissioning of 136,500 m³/day RO plants.
• Involved in process adjustment and chemicals dosage optimization.
• I was responsible for progress and performance reporting and analysis.
• Developed operations and maintenance manuals as well as engaged in operators’ training.

**Process Engineer**  
October 2008 - September 2009  

*Veolia (OTV/VWT) – STP Projects, Islamabad, Pakistan*  
• Affianced the construction and commissioning of 80,000 m³/day liquid waste treatment project.
• Intricated in resolving and rectifying any outstanding works during the defect’s notification period.
• Engaged in project meetings, ensured proper hand over to local municipality.
• Developed the design and tender for two industrial water treatment projects for the client.

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**Skills, Expertise and Certifications**

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**Education**

**Master of Engineering Leadership (MEL) in Integrated Water Management**  
University of British Columbia – Vancouver Canada.  
A professional degree of Applied Science and Sauder School of Business courses.  
*Key Courses included: Reactor design, Hydrology, Liquid waste Management Strategy*

**Master of Business Administration (MBA Executive)**  
Bahria University – Islamabad, Pakistan.  
Specializations: Marketing, Planning and Human Resource Management

**B.Sc. (Engg.) Chemical Engineering**  
NFC Institute of Engineering & Technology – Multan Pakistan.  
Specializations: Industrial Management, Chemical Plant Design, Environment and Safety

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**Community Engagement**

Member: PEC – Pakistan Engineering council  
Fraser Riverkeeper - Citizen Scientist Volunteer  
Member: BCWWA: UBC Student Chapter – Vancouver, BC, 2020
FIND YOUR NEXT GREAT HIRE.

Strengthen your team with a professional who has the cross-functional technical and business skills to successfully lead teams and projects in ship design and marine systems.

NAVAL ARCHITECTURE AND MARINE ENGINEERING

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BUILD YOUR TEAM FOR THE BETTER

Graduates of the UBC Master of Engineering Leadership in Naval Architecture and Marine Engineering are ready to step into a range of professional roles, from marine and project engineering to managing large naval capital projects and marine life-cycle initiatives.

They have the multidisciplinary technical expertise needed to address ship design and ship-building requirements, balanced with the business and leadership skills to confidently lead teams and projects.

Learn more as to how they can add value to your team.

CLASS OF 2020

Zad Bouchchedid
Kiavash Ghadimi
Shankar Gopal
Varun Hingorani
Myrat Hojayev
Abhijeet Kulkarni
Gaby Marino Gomez
Moiz Master
Vaibhav Nyal
Leandra Siems-Hoffmann
Rajeshwar Soni

mel.ubc.ca/hire
Zad Bouchedid
302-500 Saint-Jean Street Quebec City,
Quebec, Canada, G1R 1P6
Telephone: (581)-443-2436
Email: zad.bouchedid@gmail.com

EDUCATION

Master of Engineering Leadership; January 2020 - present
Specialization in Naval Architecture and Marine Engineering
Faculty of applied sciences
University of British Columbia,
Vancouver, British Columbia, Canada

Bachelor in System Engineering September 2003 – April 2008
École de Technologie Supérieure,
Montréal, Québec, Canada

SUMMARY OF QUALIFICATIONS

• Engineering Officer qualification, Portsmouth, United Kingdom
• Mechanical engineering technical school graduate
• 4th Class Engineer (Board Date: Oct 8th, 2020)
• Able to acquire new technical skills easily. Computer experience includes: MS office, Autocad, CATIA V5, Solid Edge.
• Organized, disciplined and dedicated with a good sense of responsibility
• Critical thinker with good judgement
• Excellent communication skills, team player with desire to succeed
• Continuous learner
• Bilingual in English and French

RELEVANT WORK EXPERIENCE

Instructor of logic circuit and electronics 27 Oct 2019 – 7 Nov 2019
British Columbia Institute of Technology
BCIT Marine campus, Vancouver
• Teach a class of 18 students in Marine engineering
• Prepare lessons and experiments with the aid of class manual
• Prepare and correct homework, evaluations and exams
• Constantly give feedback to students about their progression

Instructor of Chemistry and Hydraulic Mar 2019 – May 2019
Marine Engineering school
CFB Esquimalt
• Teach a class of 18 students in Marine engineering
• Prepare lessons and experiments with the aid of class manual
• Prepare and correct homework, evaluations and exams
• Constantly give feedback to students about their progression
Naval Technical Officer                                                      January 2013 – Mar 2019
Formation Technical Authority, Submarine Section
CFB Esquimalt
• Track deviations and waivers (ND notifications in DRMIS) for VICTORIA Class submarines
• Manage technical readiness of ORCA Class and KINGSTON Class vessels
• Manage departmental personnel
• Manage departmental financial resources
• Provide feedback on the readiness of each ship to higher authorities
• Coordinate implementation of modifications
• Prioritize engineering changes to preserve operational readiness of the fleet
• Manage personnel training
• Monitor maintenance periods

Marine Engineering System Operator Instructor                  November 2008-December 2009
Royal Canadian Navy, Canadian Forces Fleet School (Quebec)
• Lead students to operate and monitor marine equipment
• Teach students to conduct level 1 maintenance on different equipment
• Coordinate training and conduct academic evaluation

RELEVANT EXPERIENCE
Dassault System, Montreal, Quebec                                 January 2007-April 2007
• Provide remote technical assistance to Boeing engineers
• Trained on CATIA V5

Robotic Team Leader                                             2001-2002 edition, Canada FIRST
• Design and build a robot to achieve the sport theme of the event
• Manage personnel and financial resources
• Plan the team logistical operations
• Provide the judges with technical documentation

TECHNICAL/ COMPUTER SKILLS
• Microsoft office suite including MS Project
• Autocad (2D drawings) - CATIA V5 and Solid Edge (3D drawings)

RELEVANT COURSES
• Organizational Leadership
• Analytics and Interpretation for Applied Sciences
• Topics in Business Administration
• Ship Production and Industrial Engineering
• Ship Dynamics and Control
SUMMARY

Innovative and hands-on naval architecture professional accustomed to working closely with clients. Senior classification society’s surveyor of all types of ships and offshore installations, familiar with ship structures, outfitting, machinery systems, IMO conventions, IACS technical requirements, and classification society rules. Experienced in shipbuilding and ship repair supervision, safety management system evaluation, ship structural and outfitting design and analysis. Recently attended a master’s degree program at UBC in the field of engineering leadership in naval architecture.

TECHNICAL SKILLS

Marine survey & audit:
• Classification society’s surveyor
• Shipbuilding and ship repair supervisor
• Welding inspector
• Material inspector & specification verifier
• Subcontractor verifier
• Casualty and damage surveyor
• ISM (Ship Safety Management) Auditor
• ISPS (Ship Security System) Auditor
• MLC (Marine Labor Convention) Inspector

Technical calculation & analysis:
• Hull structural calculation
• Outfitting design
• Design documents development and review
• Production process documents development
• Development of cost-effective solutions
• Intact/ damage stability and seakeeping calculation
• Weight, load line, and tonnage calculation
• Marine safety and pollution prevention appraisal
• Safety Management System establishment

Software:
• Maxsurf
• AutoCAD
• ShipConstructor
• Microsoft Office Package
• Visualization tools (Tableau)

Rules and standards familiarity:
• Classification society rules
• IMO conventions and codes
• IACS technical requirements
• ISM & ISPS codes
• Marine standards

TECHNICAL WORK EXPERIENCE

Robert Allan Ltd (RAL) Canada, Vancouver | June, 2020 – Aug, 2020
• Naval Architecture & Marine Engineering Internship
  o Worked on waste heat recovery system options to propose the technically and commercially feasible one(s) for integration on Robert Allan push boats to improve efficiency and reduce emissions which was completed successfully with a promising conclusion.

China Classification Society (CCS) UAE, Dubai | April, 2014 – Nov, 2019
• Senior ship surveyor of ocean-going vessels and offshore installations
  o Conducted hull, outfitting & machinery survey of different type of vessels and drilling rigs
  o Supervised shipbuilding, dry docking and repair of vessels
  o Conducted subcontractor approval
  o Conducted welding and material inspection
  o Reviewed and implemented the design documents
  o Direct communication with different regulatory agencies and flag Administrations
• Senior ISM/ ISPS auditor and MLC Inspector
  o Carried out marine management audit of shipping companies and vessels
  o Conducted MLC (Maritime Labor Convention) inspection of vessels
  o Managed class-related projects successfully such as first entry to class of 35 oil tankers
• Managed ISM-related projects successfully such as initial ISM & ISPS certification of 55 oil tankers
• Managed successfully some ship repair projects
• Assisted to Branch Manager for business development.

Korean Register of Shipping (KR)  Iran, Tehran | March, 2010 – April, 2014
• Ship surveyor of ocean-going vessels and offshore installations
  o (same as above description for CCS)
• ISM/ ISPS auditor
  o Carried out marine management audit of shipping companies and vessels
• Managed class-related projects such as first entry to class of 17 oil tankers and 10 bulk carriers
• Managed successfully some ship repair projects
• Assisted to Branch Manager for business development.

Iranian Classification Society (ICS)  Iran, Tehran | October, 2007 – March, 2010
• Manager of plan approval and technical appraisal department
  o Performed hull structural and outfitting analysis
  o Reviewed bill of material and specification
  o Calculated intact and damage stability
  o Calculated load line and tonnage
  o Evaluated marine safety and pollution prevention appraisal
• Conducted ship survey of ocean-going vessels
• Carried out ISM/ ISPS audit

Asia Classification Society (ACS)  Iran, Tehran | September 2005 – October 2007
• Conducted ship survey of domestic vessels
• Technical member of plan approval department
  o Performed hull structural and outfitting analysis
  o Calculated intact stability, load line and tonnage

Iran Group of Surveyors (IGS)  Iran, Tehran | October, 2003 – September, 2005
• Conducted ship survey of domestic vessels
• Technical member of plan approval department
  o Calculated intact stability, load line and tonnage

EDUCATION
University of British Columbia  BC-Vancouver | Expected: Dec, 2020
• Master of Engineering Leadership - Naval Architecture & Marine Engineering
Amirkabir University of Technology
• MSc in Naval Architecture - Ship Construction Engineering
Sharif University of Technology
• BSc in Marine Engineering – Ship Design
Shankar Gopal
Naval Architect and Marine Engineer

Marine Engineer with 9 years of sailing experience in oil tankers. Currently pursuing Master of Engineering and Leadership in Naval Architecture and Marine Engineering at University of British Columbia.

EDUCATION

MEL: Naval Architecture and Marine Engineering
The University of British Columbia – Vancouver, Canada
January-December 2020

Bachelor of Engineering: Mechanical
Anna University – Chennai, India
April 2009

WORK HISTORY

Project Engineer Intern June 2020- July 2020
Nordmanners Marine Services Inc, Richmond, BC, Canada

- Designed an automatic retractable Hydrofoil to be retrofitted on the pleasure boats and crafts.
- Conducted structural analysis and hydrodynamics of the boat.
- Designed a 3D model of the final product.

Class III Marine Engineer June 2017-March 2019
Dynacom Tankers Management Ltd, Athens, Greece

- Oversaw preventative and break down maintenance of engine room machineries such as main Engine, marine air compressors, boilers, diesel generators, HVAC, turbochargers, hydraulic and pneumatic machinery.
- Prepared vessel for audit of Class societies, Flag state and Port state inspections.
- Managed engine room repairs in various drydocks projects.
- Conducted risk assessment and accident investigation onboard.
- Evaluated existing maintenance/operational procedures onboard vessel and made proactive adjustments to meet changing demands.
- Developed and led training programs regarding safeties in engine room.

PERSONAL INFO

Address
208-2730 Acadia Road
Vancouver, BC, V6T1R9

Phone
1 2369711900

E-mail
shankar.g.mech@gmail.com

TECHNICAL SKILLS

Vessel Maintenance
Ship design and modeling
Stability Calculation
Structural Analysis
Maritime Regulations

SOFTWARE SKILLS

AutoCAD
SolidWorks
Tableau
Microsoft Office Suite
Maxsurf
Python
Rhino
Class IV Marine Engineer  June 2011- May 2017  
*Dynacom Tankers Management Ltd, Athens, Greece*

- Managed marine fuel bunkering and inventory.
- Supervised maintenance and operation of compressors, centrifugal purifiers, heat exchangers and various pumps.
- Performed maintenance, testing of lifeboat and lifesaving appliances according to maritime standards.
- Trained juniors on protocols and machinery.

**PROJECTS**

- **Shipyard Design**
  Designed a Shipyard layout using AutoCAD based on the market requirements, calculated design parameters and developed build strategy for the vessels to be built in the yard.

- **Cost Estimation of Shipbuilding**
  Estimated overall cost to build a Product Tanker in the shipyard based on the North American shipbuilding standards.

- **Seakeeping Analysis**
  Performed Seakeeping analysis using Maxsurf software on an offshore service vessel operating in the North Sea.

**ACCOMPLISHMENTS**

- Utilized best practices and standards to repair diesel generator that reduced operational cost of machinery for the company.
- Developed a regimented maintenance process once implemented, ensured repairs to damaged equipment were done in hours, rather than days.
- Performed regular safety hazard assessments and improved safety culture onboard.
VARUN HINGORANI
1155 West 70th Ave. Vancouver, B.C. V6P 2Y2 | C: (604) 401-7119 | varunhingorani11@gmail.com

Marine professional with diverse experience in technical & commercial aspects of the industry. Having worked through the ranks, I have developed a strong drive & solution-oriented mindset. Passionate about creating high-level impact and ensuring maximum profitability. I can smoothly transition between being a high-level contributor & a transformative leader.

EDUCATION

Master of Engineering Leadership [Naval Architecture and Marine Engineering] (Jan 2020 – Present)
University of British Columbia

Tolani Maritime Institute (Affiliated with BITS, Pilani)

EXPERIENCE HIGHLIGHTS

SEASPAN CORPORATION

➢ Projects & Technology Intern (Apr 2020 – Present)
  · Formed standard procedures to evaluate & document warranty performance parameters for commercial fixtures of the fleet. TAT for delivery reduced from 24 hrs to 6 hrs per ship
  · Developed & launched a monthly monitoring report & follow up methodology to create a proactive operational performance improvement mindset amongst all stakeholders
  · Involved in exploring & carrying out feasibility studies of modern energy efficiency technologies for ships
  · Integral team member of the future ship development team

MAERSK TANKERS A/S

➢ Fleet Performance Manager (Sep 2018 – Dec 2019)
  · Team leader responsible for creating a positive commercial impact on a pool of 200+ tanker vessels
  · Driving various operational improvement techniques in areas of hull efficiency, main engine performance & power management onboard each vessel
  · Developed smart & sustainable processes to achieve functional KPI targets
  · Consistently engaged with fleet technology team & relevant market leaders to identify new areas of performance improvements
  Accomplishments:
  · Saved USD 8 mil in 2018. (Power Management - USD 3.7mil & Hull Performance – USD 4.3 mil)
  · Designed & executed a pre-docking advisory business plan procedure as part of the improvement initiative for our 30+ customers

➢ Vessel Performance Manager (April 2017 - Aug 2018)
  · Lead end to end performance improvement for a fleet of 30+ ships
  · Created technical assessment tools for all ships to improve performance with technical managers, owners & shipboard teams
  · Curated best industry practices & experience to generate easy to follow checklists towards increased efficiency
  · Inspected ships via bunker surveys, energy audits & educating ship staff the impact of performance improvements
  · Collaborated with underwater team to monitor performance trends and take sharp decisions based on condition assessments
  Accomplishments:
  · Executed a project of Super Slow Steaming (one of the first teams to do it on tanker vessels) by preparing vessel-specific plans and quantifying voyage wise savings while providing technical assistance in executing these special voyages
  · Leadership team member with the project driving EU MRV & IMO DCS compliance for Maersk Tankers Fleet
TORM A/S

- **Vessel Manager / Technical Superintendent** *(Jan 2015 - April 2017)*
  - Managed 5 ships to ensure eligibility for international trade in compliance with regulations & oil majors in a safe & cost-effective manner
  - Problems solved through emergencies with the help of external service providers and managed all relevant stakeholders effectively
  - Designed annual budgets with a strong focus on cost optimisation through better planning, consistent communication with teams on board & smart procurement techniques
  - Planned & executed time and cost-effective dry dock of an MR size ship.

Accomplishments:
- Completed complex underwater hull repairs on a ship while in service within the planned off-hire period
- Effectively planned & executed Statutory surveys of 2 ships with zero off-hire days and within stipulated budgets

- **Technical Specialist – Navigation & Communication Equipment** *(May 2013 - Dec 2014)*
  - Ensured best operational condition of all radio navigation & communication equipment on a fleet of 80 ships with regulatory compliance
  - Drove strong approaches to tackle equipment issues by providing the first level of remote support with shore technical experts, thereby reducing technician visits & optimising annual spends.

Accomplishments:
- Created an intuitive tracking tool for periodic bridge equipment maintenance routine
- Core team member of the project carrying out Flag Change Operation on 10 ships

ACCORD MARINE MANAGEMENT PVT. LTD.

- **Assistant Technical Superintendent** *(Nov 2011 - April 2013)*
  - Assisted in managing technical aspects of 3+ bulk carrier ships of different owners
  - Drove recruitment & interviews for shipboard engineers
  - Conducted a selection & training programme for a team of technical assistants responsible for timely reporting of ships & preparing weekly owner reports

Accomplishments:
- Lead a team to execute management change & dry docking of 2 newly purchased vessels
- Site lead for executing major breakdown repairs to ship's propulsion system

HIGHSTREET CRUISES & ENTERTAINMENT PVT. LTD.

- **Marine Procurement Specialist** *(May 2011 - Nov 2011)*
  - Owned & created a comprehensive database of supply vendors required by cruise ships & hotels based on quality, payment methods & delivery conditions
  - Strategized to negotiate for better prices with dealers & manufacturers of critical items ensuring optimisation on overall spending

Accomplishments:
- Designed the company's first procurement tracker tool with an overview of purchase orders, delivery status & cost
- Developed a process for providing monthly spend & budget status reports to senior management

SEASPAN | MITSUI OSK LINES | ANGLO-EASTERN SHIP MNGT. | ARCADIA SHIPPING

- **Shipboard Marine Engineer** *(2006-2011)*

CERTIFICATIONS

- Lean Six Sigma Yellow belt *(Maersk Training & Learning Centre, Mumbai)*
- Leadership Development Programme *(Indian Institute of Technology, Bombay)*
- Integrated Management System (ISM Code, ISO 9001, ISO 14001, ISO 50001) *(Lloyds Register)*
- Sertica Software Training *(Torm A/S inhouse training centre)*
- Operation & Maintenance of Framo Cargo Pumping System *(Samudra Institute of Maritime Studies, Mumbai)*
- Energy Optimisation & Efficient Operation of Framo Cargo Pumping System *(Samudra Institute of Maritime Studies, Mumbai)*
About

Experienced Project Planning and Controlling Engineer with a demonstrated history of working in the power industry for more than 5+ years. Strong operations professional with MBA degree in business administration and Bachelor’s degree focused in Naval Architecture and Marine Engineering. Currently enrolled in UBC’s Master of Engineering Leadership in Naval Architecture and Marine Engineering program.

Summary of Qualifications

• +5 years’ experience in project planning and controlling during the life cycle of the projects to deliver projects on time and within budget
• Strongly enhanced ability to achieve results when confronted with major responsibilities and limited source
• Excel as a team player
• Possess a strong knowledge of computer fundamentals

Work Experience

Chief of Planning Department
Calik Enerji, Turkmenistan
March 2013 – December 2019

Projects: 1574 MWT MARY-3 Combined Cycle Gas Turbine Power Plant
254 MWT WATAN Simple Cycle Power Plant
504 MWT DERWEZE Simple Cycle Power Plant

• Effectively planned and controlled the schedules of the projects worth a total of $ 1.5 billion (US) and successfully formulated strategies, tactics and actions which are contributed successfully delivery of the projects on time and within budget.
• Successfully overcame multiple responsibilities to collaborate across all departments to achieve targets set by the management team to meet the strategic goals of the company
• Established effective working relationships between the company and the governmental entities.

Assistant in Planning & Controlling Department
Hyundai Engineering, Turkmenistan
December 2010 – September 2012
Project: Gas Desulfurization Plant in South Yoloten, Turkmenistan

- Successfully prepared daily reports to keep management informed by daily basis
- Updated project schedule by Primavera P6 on weekly basis to ensure activities keep comfortably ahead of work schedule

Field Engineer – Naval Architect  
Viya Shipping – Berk Shipyard, Turkey  
July 2006 – October 2009

Projects:  Construction of 2000 dwt oil/chemical tanker (IMO:9472957)  
Construction of LPG Tanker

- Fully engaged in all project phase of 2000 DWT oil/chemical tanker from steel cutting till delivery of the tanker
- Effectively resolved day-to-day issues in a solution-oriented way with all departments of the project management
- Successfully monitored the workshop productions as per IACS, BV and RINA regulations

SKILLS

- AutoCAD
- Primavera P6
- MS Office
- MS Project
- Photoshop
- Scheduling
- Cost Control
- Operations
- Risk Analysis
- Business fundamentals
- English
- Russian
- Turkish
- Turkmen

EDUCATION

Master of Engineering Leadership in Naval Architecture and Marine Engineering  
University of British Columbia, Vancouver, Canada  
Expected graduation January 2021

Master of Business Administration  
University of Cumbria, Cumbria, United Kingdom  
2018

Bachelor in Naval Architecture and Marine Engineering  
Yildiz Technical University, Istanbul, Turkey  
2010
Abhijit Kulkarni  
Student of Master of Engineering Leadership (MEL) at The University of British Columbia

Basement Suite, 2767 Alamein Avenue  
Vancouver BC V6L 1S1  
abhijit.kulkarni@alumni.ubc.ca | 6043687574  
https://www.linkedin.com/in/abhijit-kulkarni-23483526/

KEY SKILLS

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<td>• Naval Architecture and Marine Engineering</td>
</tr>
<tr>
<td>• Coaching and mentoring</td>
<td>• Data analysis, governance, and management</td>
<td>• Ship Designing and Building</td>
</tr>
<tr>
<td>• Stakeholder management</td>
<td>• System development and administration</td>
<td>• Mechanical Engineering</td>
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<tr>
<td>• Client consulting</td>
<td>• Python for Data Science and Machine Learning</td>
<td>• Ship performance management</td>
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<tr>
<td>• Operations management</td>
<td>• Business Intelligence (Tableau)</td>
<td>• Operation and maintenance of ship and shipboard machinery</td>
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<tr>
<td>• Project management</td>
<td>• Microsoft Office</td>
<td>• Ship management systems</td>
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<tr>
<td>• Inventory management</td>
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<td>• Health, safety, quality, and environment Management</td>
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<tr>
<td>• Strategy formulation and implementation</td>
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<tr>
<td>• Holistic problem solving</td>
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</tbody>
</table>

EDUCATION

The University of British Columbia  
Expected December 2020

Master of Engineering Leadership

Marine Engineering and Research Institute, Mumbai, India  
January 2004 – December 2004

Post Graduate pre-sea Marine Engineering

North Maharashtra University, Jalgaon, India  
August 1997 – May 2002

Bachelor of Engineering (Mechanical)

WORK EXPERIENCE

Scorpio Marine Management, Mumbai, India  
August 2018 – December 2019

Planned Maintenance System (PMS) Superintendent

• Built and led a team of professionals for the development, upkeep, and administration of the Ship Management Application (ABS Nautical Systems) installed in 3 shore offices and onboard 93 commercial ships, taking maintenance responsibility for an asset value of around 5 Billion USD
• Analyzed the ship management application and associated business processes to identify key improvement areas and presented an action plan to mitigate the critical challenges observed in the system administration, user experience, data quality, and BI reporting
• Executed data standardization project wherein 53% of the duplicated jobs were removed from the maintenance management module, improving team efficiency by more than 90%
• Leveraged a critical role of stakeholder management and software testing in the organization’s ambitious two-year-long project wherein applications of 3 subsidiaries were migrated to a cloud platform
• Restructured the user query management process by HelpDesk implementation, improving query resolution quality and time by 12%

Maersk Global Service Centres, Mumbai, India  
November 2017 – July 2018

Technical Data Coordinator
• Developed and implemented Computerized Maintenance Management System (CMMS) for the newly taken over 19 vessels, assisting in the timely merger of newly acquired container shipping company
• Automated the Fleet Equipment Register (FER) / Hierarchy Structuring Process, resulting in time-saving of at least 80%
• Carried out a thorough data integrity check for 48 vessels of my fleet to ensure data quality, system compliance, and safety of the ships, improving the employability of the vessels during negotiations

Valad Infotech Solutions, Mumbai, India  
April 2016 – November 2017
(Formerly known as Valad Business Solutions)

Senior Manager - Operations
• Initiated, executed, and delivered three significant projects for three key clients of the organization, generating 65% of the total annual revenue
• Revitalized and led the Operations Team of around 30 professionals by hiring, training, mentoring, and restructuring the teams to ensure quality and time-bound project deliveries
• Initiated and led an additional shift to mitigate increased project inflow from clients, improving resource utilization without additional investments
• Worked on the grass-root level to identify and resolve process bottlenecks, improving the operational efficiency of the team by 14%
• Developed and implemented client-centric business models to address their operational inefficiencies, challenges, and needs, increasing organizational revenues by 20%
• Successfully transitioned the career from a PMS Engineer to a Project Manager and then to a Senior Manager – Operations

Sahyadri Farmers Producer Co. Limited, Nashik, India  
January 2016 – April 2016

Assistant Manager – Maintenance
• Introduced computerized maintenance management systems across the organization, generating awareness about machinery reliability and safety

SHIPBOARD EXPERIENCE

Maersk Tankers, Singapore  
April 2008 – December 2015

Third / Fourth Engineer Officer
• Gained extensive experience in safe and efficient operation and maintenance of ship and shipboard machinery valued around 50 Million USD
• Carried out safe and environment-friendly cargo operations around the globe for various oil cargo valued about 40 Million USD and more
• Managed major overhauls for six auxiliary generator engines and one main propulsion engine from the stock check, spares procurement, actual overhauls, to plant restoration, ensuring vessel’s seaworthiness and employability with the charterers

Sunship Marine, Mumbai, India  

Fourth Engineer Officer

Herald Maritime Services, Mumbai, India  

Junior Engineer
MARIA GABRIELA MARIN

PERSONAL INFORMATION

Address: 30 Portobello Pde, Wellard WA 6170 AUS
Phone: +61 424 043 064 (Mobile)
Email: gabimago@hotmail.com
Languages: English, Spanish and Italian

ABOUT

As an engineer officer in the Royal Australian Navy, my professional experiences have centred around becoming an ethical and leadership conscious manager due to my officer training. As an engineer in the navy I have had the chance to work in an operational environment, waterfront ship maintenance and technical engineer support organisations. My professional experiences as a manager and as an engineering professional propelled me to join the Mater of Engineering Leadership (MEL) program and join Australia’s shipbuilding program in Perth, Aus. I am always looking to develop my career and increase my experience, so I am prepared to relocate globally for employment opportunities.

KEY STRENGTHS

- Proven leadership qualities
- Self-reliant, responsible, and patient
- Ability to quickly adapt to change and new environments
- Able to perform administrative staff work
- Able to employ appropriate managerial skills
- Outstanding accuracy and attention to detail
- Capacity to independently manage multiple tasks and priorities
- Excellent interpersonal and communication skills

TECHNICAL SKILLS

- AutoCAD
- Rhinoceros 3D
- Ansys (CFD and FEA)
- Maxsurf Suite
- MS Office
- Defence Maintenance and Logistic Tools

EDUCATION

2020
- Master of Engineering Leadership
  - Technical pillar of Naval Architecture and Marine Engineer
  - This program combines technical pillar subjects with business subjects delivered by the UBC Sauder School of Business focused on executive leadership development

2019
- Diploma in Project Management

2010 – 2014
- Bachelor of Naval Architecture
- Austal-RINA 2015 Design Project Award

University of British Columbia
Major Training Services
Flinders University/University of Tasmania
Volunteer work
2018 - 2020 EdConnect, Wester Australia
- Mentoring at risk youth in primary school

EXPERIENCE

**Engineering Change Projects Lead**
- Managing the Engineering Project (Engineering Configuration Change) team and managing their deliverables.
- Supervised engineering work scope and cost estimates contracting to Defence.
- Drafted internal Engineering Change policy to ensure quality management compliance

Jan 2018 – Aug 2019 Asset Management Office (RAN) – Perth
**Platform Project Engineer**
- Act as the Project Engineer for contracted Engineering Change (EC) Projects
- Develop, review and progress engineering project documentation
- Provide technical advice within delegation on engineering activities affecting ANZAC Platform (Mechanical) Systems
- Liaise with Surface Combatant Group to establish Customer Requirements and manage EC installations to align with availabilities

Nov 2016 – Dec 2017 FFH (Frigate) Support Team (RAN) – Perth
**Deputy Marine Engineer Officer**
- Planning maintenance and preparations for docking availabilities
- Co-ordinate the administration of maintenance servers
- Manage and conduct trade training for a technical department
- Coordinate logistic support of section equipment
- Conduct inspections and approve contractor work using technical delegation
- Prioritise departmental work lists and manage personnel resources

Feb 2015 – Oct 2016 HMAS Anzac (RAN) – Sydney
**Assistant Marine Engineer Officer**
- Environmental and Hazardous Chemical Officer onboard
- Completion of Engineer Officer Application Course:
  - Engineering Safety, Risk Management, Technical Administration, Logistics Support, Classification Societies, Condition Monitoring and NDT
- Acquired Marine Engineer Officer Certificate of Competence (MEOCC)

Nov 2013 – Jan 2014 AWD Alliance (ASC) – Adelaide
**Naval Architect Undergraduate**
- Contributed to structural weight management calculations for DDG construction
- Conducted analysis on nesting vs drawing based weight estimation
- Assisted the project naval architect with stability calculations and translating technical drawings information from Spanish to English
MOIZ MASTER

Address: 3904 W21 Avenue, Vancouver, BC.
Email-id: moizarifmaster@gmail.com
Ph.no: +1 672-999-2484

TECHNICAL SKILLS
Entrepreneurship - Business development, cross-industrial problem solving, ability to work with minimal supervision, market research and analysis, presenting to a diverse audience, networking.

Computer skills - Microsoft Office, Azure-IoT, Docker, data analysis in Python, Tableau, Tally ERP9, AutoCAD, DNV SESAM, Corel Draw, Adobe Photoshop.

EDUCATION
University of British Columbia
Master of Engineering Leadership - Naval Architecture and Marine Engineering.
Carleton University
Master of Engineering - Technology Innovation Management.
AMET University
Bachelor of Engineering - Naval Architecture and Offshore Engineering.

WORK EXPERIENCE

Partner at Fairdeal Industrial
Industrial engineering services for the manufacturing industry
- Generated business leads and set up client meetings with the help of trade associations
- Expanded customer base and optimized customer conversion by referrals from existing satisfied customers
- Arranged for civil & construction services at Engineering facilities to provide comprehensive support to the industry

Founder at Fairdeal Industrial
- Procured materials and manufactured niche industrial equipment
- Scheduled deep cryogenic treatment for manufacturing tools to increase tooling efficiency by 80% and reduce costs by up to 50%
- Consulted, designed and sourced safety equipment for industrial labour
- Some customers include AKG India Pvt Ltd., ELGI Ltd., Britannia Industries Ltd., KPR Ltd.

INTERNSHIPS

Poseidon Ocean Systems, Campbell River, BC.
Summer intern
- Conducted a competitive advantage analysis for machine learning in aquaculture
- Research and presentations in the tools and components required for machine learning and remote monitoring capabilities at Poseidon Ocean Systems
- Integration of OPC-UA architecture with Microsoft Azure IoT

Archetype Design Office, Goa, India.
Design intern
- Expected graduation: December, 2020
- Master of Engineering - Technology Innovation Management.
- September, 2011 – April, 2015
- Bachelor of Engineering - Naval Architecture and Offshore Engineering.

Address:

Addressee:

E-mail:

Phone:
Redesigned fishing trawlers, implemented new technologies and materials (ice-making machines, insulating the cargo holds, unloading systems, etc.) under the guidance of Naval architect Mr. Rajesh Belgaonkar to improve efficiency and reduce environmental impact.

**Pipavav Shipyard Ltd., Rajula, India.**  
*Engineering intern*  
December, 2013  
Summarized internal workings of private/government-owned shipyard that had projects for a Panamax Bulk carrier, an offshore supply vessel and a drilling platform (MODU). Presented a detailed report on the specialization of each department and its role in the shipbuilding process.

**SHM Shipcare, Mumbai, India.**  
*Engineering intern*  
June, 2013  
Oversaw production of an entire 40-foot vessel, including fabrication of fibre-reinforced plastic hull, gel coating, machinery outfitting, various sea trials to the classification of seaworthiness.

**ACADEMIC PROJECTS**
- Report on corrosion of ships and offshore structures and preventive measures
- Design of fishing trawlers and improvisation of an existing design to boost productivity and cease wastage of seafood during transport and handling

**INTERESTS & HOBBIES**
- Design and get manufactured prototypes to be used for unique applications
- Social impact-driven solutions around circular economies
- Hiking, cycling and philately

**EXTRA-CURRICULAR**
- Represented state and won medals for swimming competitions and district for cycling events.
- Represented the school in football and literary events
- Participated and won various painting competitions, debates, quiz competitions, face paintings, sculpting and modelling using junk.

**VOLUNTEERING**
- Pearson Centre for Progressive Policy, Ottawa, Canada.  
  *Member of Siruthuli*  
  November, 2018  
  Improvement of environmental conditions by planting trees, building ecological awareness and maintenance of public gardens. Coimbatore, India.

- Beach clean-ups around Chennai, India.  
  December, 2011 - April, 2015
- Member of Siruthuli  
  June, 2005 – April, 2011
  
**LANGUAGES**
- English – Native proficiency
- Gujarati – Native proficiency
- Hindi – written and spoken proficiency
- Tamil – spoken proficiency
VAIBHAV NAYAL
Acadia Park, UBC, Vancouver, V6T2C7, Canada · +1 (778) 798 1257
nayal.vaibhav@gmail.com · https://www.linkedin.com/in/vnayal/

PROFILE:
Enthusiastic Marine Engineer with 13 years of experience on up to 21000 KW main engines on the gas/oil marine vessels. Deep knowledge of the practical application of engineering science and technology. Functioned closely with the top management of the ship. Operated & supervised the entire operation of the engine room and other technical aspects of the ship. An active member of SNAME and Maritime Union of India. Excited about continued education in marine engineering and naval architect from the University of British Columbia, acquiring the right skills to manage complex shipbuilding designs, and become fully qualified as a leader in the shipping industry.

EXPERIENCE
FEB 2015 – SEP 2019
MARINE FIRST ENGINEER, MMS TOKYO PVT LTD.
- Efficiently led preventative maintenance records on all company-owned assets in the fleet designing and overseeing testing, installation, and repair of marine apparatus and equipment.
- Supervised various project designs and assigned work and responsibilities to various engineers and technicians to ensure that all safety and structural standards are met throughout the completion of each project.
- Methodically planned, assessed, supervised, and carried out numerous maintenances of machinery like MAN B&W, Mitsubishi, and Sulzer Main Engines.
- Skilfully supervised preventive maintenance and underway repairs of Generators, Boilers, Pumps, Air Conditioning Plant, Cargo Compressors, etc as per Planned Maintenance System or Break Down Maintenance.
- Reserved the Ship/Engine Room ready for Audits by Port State Control, Flag State Control, or by any third-party Vetting Inspector at all times.
- Conducted various toolbox meetings, delegated the jobs to the respective team, and carried out a risk assessment for all the planned jobs so that all work is completed efficiently.

JAN 2007 – DEC 2014
THIRD AND FORTH MARINE ENGINEER, A.P. MOLLER MAERSK PVT. LTD.
SINGAPORE.
- Efficiently maintained and updated the important documentation: daily record book, Machinery maintenance record book, Defect and repair list, Major spares inventory, FFA and LSA record book, Engine room logbook, Updating of PMS.
- Efficiently performed fabrication, mechanical, electrical (including plc diagnosis), hydraulic, pneumatic maintenance tasks in a safe, efficient manner to ensure continuity of operations, and which supports the continuous improvement process within the facility.
EDUCATION

JAN 2020 - PRESENT
MASTER OF ENGINEERING LEADERSHIP (MEL) IN NAVAL ARCHITECTURE AND MARINE ENGINEERING, UNIVERSITY OF BRITISH COLUMBIA, VANCOUVER BC
Pursuing Master of Engineering Leadership program in Naval Architecture and Marine Engineering from UBC. This program is offering us the right strategic skills with a unique combination of technical and business classes, which will help us to play a leading role in organizations.

2002-2006
B.E (BACHELOR OF MARINE ENGINEERING), BITS, MESRA INDIA
Bachelor’s degree in Marine Engineering trained me in all mechanical, electrical, and structural aspects of Ships, from main engines to auxiliary systems found in all ocean-going vessels ranging from Gas and Oil tankers to cruise ships, cargo ships, and more. Secured First class with distinction with 85.80% marks.

SKILLS
• HVAC/Refrigeration
• 2 and 4 Stroke Engines
• AutoCAD
• Automation and Controls
• Microsoft Excel & PowerPoint
• Ship Maintenance
• Marine Service Technician
• MAXSURF Naval Architecture Software
• Phyton
• Tableau Data Analysis
• Ansys
• XFOIL Software
• Autodesk Fusion 360
• Inspection & Risk Assessment

INTERNSHIP
MAY 2020 – JULY 2020
SUMMER INTERNSHIP, NORDMANNER MARINE SERVICES
Designed a retractable hydrofoil kit for pleasure crafts to improve the boat's performance speed and fuel consumption, keeping in mind the overall hydrostatics and safety of the vessel.

PROJECT
MARCH 2020
SHIYARD DESIGN PROJECT, UBC
Designed a shipyard layout from its preliminary stage including land selection/acquisition, the right selection of shipbuilding market, and market strategy. For the ship layout, I worked on four core engineering parts required; those are civil, building, utility, and production layout engineering.

MARCH 2020
SHIYBUILDING COST ESTIMATE, UBC
Prepared a comprehensive cost estimate report for a product tanker of 35,000 tons dead-weight and 25,000 tons gross tonnage.

PROFESSIONAL AFFILIATIONS & CERTIFICATES
• MAXSURF SOFTWARE FOR NAVAL ARCHITECTURE
• CLASS II CERTIFICATE OF COMPETENCY AFFILIATED FROM GOVERNMENT OF INDIA.
• CERTIFICATE OF PROFICIENCY IN ADVANCED TRAINING FOR LIQUIFIED GAS TANKER CARGO OPERATION, AFFILIATED FROM MERCANTILE MARINE DEPARTMENT, GOVERNMENT OF INDIA.
LEANDRA SIEMS-HOFFMANN

BACHELOR OF ENGINEERING in Naval Architecture & Ocean Engineering

SUMMARY: Passionate Naval Architect & Ocean Engineer with hands-on technical and leadership experience. Three years of experience in ship design and production, specializing in outfitting design. Fast thinker, learner and skilled negotiator who is comfortable in working with teams but not afraid to take responsibility and leadership.

PROFESSIONAL EXPERIENCE

PROJECT COORDINATOR OUTFITTING DESIGN
Fr. Lürssen Werft GmbH & Co.KG · Bremen, Germany · 2017–2019

- Main point of contact for outfitting related issues for departments (within the company – design and production), client/client representative, subcontractors, classification society & flag state
- Monitored and tracked cost and project schedule (newbuild project)
- Conducted cost analysis of modifications/client requests during building process
- Provided direct support, assistance and reports to the project manager regarding outfitting related issues

JUNIOR OUTFITTING/STRUCTURAL ENGINEER (Internship)
Crescent Custom Yachts · Vancouver, Canada · Jun 2020 – Jul 2020

EDUCATION

MASTER OF ENGINEERING LEADERSHIP
in Naval Architecture & Marine Engineering
University of British Columbia (UBC) · Vancouver, Canada · 2020

BACHELOR OF ENGINEERING (Cooperative Degree)
in Naval Architecture & Ocean Engineering
City University of Applied Sciences/Fr. Lürssen Werft GmbH & Co.KG · Bremen, Germany · 2012-2017

SEMESTER ABROAD - University of Tasmania (Australian Maritime College) · Tasmania, Australia · Feb 2016 – Jul 2016

APPRENTICESHIP (Part of Cooperative Degree)
Construction Mechanic Specialized in Shipbuilding
Chamber of Industry & Commerce · Bremen, Germany · 2012-2015

SCHOLARSHIPS & AWARDS

- L3 MAPPS Award in Naval Architecture & Marine Engineering
- Scholarship from the „Studienstiftung des deutschen Volkes“ for a Master Degree abroad

INTERESTS

- Traveling – Hiking –
- Climbing/Bouldering –
- Sailing – Literature –
- Photography

ADDITIONAL INFORMATION

- Member of the German Society of Maritime Technology (STG)
- Member of the Society of Naval Architects and Marine Engineers (SNAME)
RAJESHWAR SONI
Student of master’s in engineering leadership in Naval Architecture and Marine Engineering
soni.rajeshwar@gmail.com
+1 236 888 6505
linkedin.com/in/rajeshwar-soni-20659b162
307 Point grey apartment, 2875 Osoyoos crescent, Vancouver BC V6T 2G3

PROFILE

● Dedicatedly worked as a result-oriented experienced Marine Engineer, exhibiting leadership expertise to manage multinational crew for a multi-million organization.
● Demonstrated high degree of enthusiasm, self-motivation and productiveness in marine industry. Currently looking ahead for capitalizing on business knowledge acquired from Sauder School of Business & technical knowledge during M E L in NAME course in UBC, Vancouver.

PROFESSIONAL SKILLS

Industrial
● Troubleshooting skills
● Communication skills
● Time management
● Planning and organizing
● Electronic engine proficient
● Maintenance management
● Inventory management
● Analytical approach
● Effective team player

Software
● MS office suite
● Tableau
● Ship constructor
● Fusion 360
● Python
● Maxsurf

Certificates
● Certificate of competency of MEO Class II
● Electronic diesel engine
● Machinery maintenance & skill enhancement
● Advanced pneumatics and hydraulics
● CRM course
● STOP program
● Lock out tag out

EDUCATION

The University of British Columbia, Vancouver, Canada
Expected December, 2020
M.E.L. in Naval Architecture and Marine Engineering

Institute of Maritime Studies, Goa, India
December, 2004 – November, 2005
Post Graduate Diploma (Marine Engineering)

B.B.D.N.I.T.M., Lucknow, India
July, 1999 – April, 2003
Bachelor of Engineering (Mechanical Engineering)

PROFESSIONAL WORK EXPERIENCE

Anglo Eastern Ship Management, Hong Kong
November, 2009 – October, 2019
Duties of senior marine maintenance engineer (management side)

● Spearheaded all shipboard technical operations, handling of officer and crew of ship, ensuring personal safety and social responsibility.
● Accomplished troubleshooting/ repair/ overhaul of vessel’s diesel engines, pneumatics, mechanical, electrical & hydraulic system equipment based on condition and running hours.
● Carried out maintenance jobs - overhauled engines(Yanmar, Dalhatsu, Doosan, MAN B&W, Hyundai, Yamaha, Mitsubishi, Himsen), Plate type heat exchangers, tube cooler & heaters, oil purifiers, steam boilers, air compressors, HVAC, sewage treatment plants, fresh water generator, positive displacement & centrifugal pumps, hydraulics/ pneumatics & electrical equipment.
● Performed dry-dock repairs, inspections of systems (fuel oil, lub.oil, sea water, hull, deck, modification of pipelines in marine systems, electrical motors/pumps/valves overhaul, equipment maintenance and completed jobs in given time.
Prioritized work by planning, multi-tasking, overhauling, maintenance of critical machinery

Assessed risk, hazards before commencement of work, carried out toolbox meetings, training for all engine room staff to ensure jobs are done as per manufacture & company guidelines

Retained all machines in a state of readiness for surveys, audits, flag state, classification society & port state inspections.

Maintained safe & orderly working environment by adhering to company policies related to occupational health, personal safety, security and environment along with correct procedure in operation and energy isolation of system

Conducted & led the shipboard safety meeting, management meeting for training crew with latest information of company circulars

Exhibited consistent efforts in improvising turnaround times, streamlining the workflow, collaborating with different department teams in meeting the targets effectively.

Actively participated in retrofitting of existing equipment and new machinery

Documented and maintain record of all work done with parameters in computer based planned maintenance system

Undergone certified training in workshop skills e.g. welding, machining, fitting work, hand & power tools and well versed in Enclosed space entry, working aloft, chemical handling, lifting heavy equipment, electrical isolation, hot work & cold work permits & procedures

Wilhelmsen Ship Management, Norway January, 2006 - October, 2009

Duties of junior marine maintenance engineer

- Tested Operations of all engine room and deck machineries and compare them with the shop trials for evaluating their performance
- Monitored daily fuel consumption, noon report, bunker calculation & contributing chief engineer to order fuel
- Managed in arranging inventory of stores and spares. Participated in maintenance of Life saving & Firefighting appliances
- Made myself accustomed by interpreting ship drawings and manuals for carrying out routine jobs
- Familiarized with emergency procedures and contingency training in all associated drills

TECHNICAL PROJECTS

- RETROFITTING OF YACHTS WITH HYDROFOIL KIT May, 2020 – July, 2020
- SHIPYARD DESIGN April, 2020
- COST ESTIMATION OF SHIPBUILDING March, 2020

PROFESSIONAL AFFILIATIONS

- Society of naval architects and marine engineers-member January, 2020 - Present

INTERESTS & ACTIVITIES

- Traveling, maintaining personal fitness, listening to music, relishing different cuisines
- Sports - cricket, table tennis, swimming, badminton, socializing

AWARDS

- Awarded Quality Health Safety & Environment award 2012,2015,2018
FIND YOUR NEXT GREAT HIRE.

Strengthen your team with a professional who has the cross-functional technical and business skills to lead teams and projects in creating resilient urban infrastructure systems.

URBAN SYSTEMS

mel.ubc.ca/hire
BUILD YOUR TEAM FOR THE BETTER

Graduates of the UBC Master of Engineering Leadership in Urban Systems are ready to step into a range of professional roles in urban infrastructure design and management to support smart cities and growing communities.

They have the multidisciplinary technical and business expertise needed to address evolving urban infrastructure demands and to collaborate with stakeholders in developing and implementing innovative and sustainable solutions.

Learn more as to how they can add value to your team.

CLASS OF 2020

Mwlib Basumatary
Ece Cam
Angelica Katama
Joyce Nworjih
Alejandra Padron
Veronica Ardila Vernaza
Kenneth Paul Santos
Aanchal Sharma

mel.ubc.ca/hire
MWB LIB BASUMATARY
Mob: +1 (778) 378 7345
Email: mwblib@gmail.com
LinkedIn: mwblib

ABSTRACT

*Strategy & Operations – Change Management – Urban Transformation*

Experienced business analyst, strategic planner and project manager with demonstrated proficiency in urban infrastructure, tourism, agribusiness industry and government reforms.

Recognized for consistent performance in high-stakes environment with functional expertise in strategy & operations, policy analysis & development and change management. Excels in creating strategic business cases, developing project concepts and delivering highly complex assignments.

EDUCATION

**MEL (Masters), UBC APPLIED SCIENCES & SAUDER BUSINESS SCHOOL, BC, Canada, 2020 (expected)**

**MBA (Marketing & HRM), INDIAN INSTITUTE OF MANAGEMENT LUCKNOW, India, 2016**

**Bachelor of Architecture, SCHOOL OF PLANNING AND ARCHITECTURE, New Delhi, India, 2011**

PROFESSIONAL EXPERIENCE

**IMAGINE CITIES, Vancouver, Canada**

*Program Manager – Secondary Research*

- Managing research teams, recruiting volunteers for research and defining terms of reference
- Establishing research frameworks, improving business processes and supporting leadership

**UBC & URBAN PREDICTIVE ANALYTICS LAB, Vancouver, Canada**

*Researcher*

- *Solving the First/Last Mile Mobility Challenge – A Shared Autonomous Vehicle Strategy*, a research on user segments, infrastructure needs and deployment strategies for smart mobility

**KPMG, New Delhi**

*Senior Consultant, Advisory – Infrastructure, Government and Healthcare, Apr ‘18 – Nov ‘19*

- Conducted market survey and drafted report on Indian tourism trends & holiday profiles
- *Adopt a Heritage & PRASHAD, Ministry of Tourism federal programs, India*
  - Developed implementation strategy and M&E framework for execution of 90+ tourism projects
  - Engaged with multi-level government stakeholders & industry CXOs for project development
  - Managed contract structuring, procurement process & onboarding of 30+ business enterprises
- *USTDA–India Smart Cities Integrated Planning Technical Specialist Services, Rajasthan*
  - Conducted market research, assessed risk and conceptualized destination infrastructure-mix
  - Developed plan for execution of projects worth USD 20+ Mn under Ajmer Smart City Mission
- *Gwalior Smart City Master Plan, Gwalior Smart City Development Corp. Ltd., Madhya Pradesh*
  - Led team of experts for preparing Gwalior Smart City Master Plan for area covering 800+ acres
  - Liaised with state departments, consulted stakeholders and drafted development guidelines
- Prepared business cases and worked on winning proposals for multiple RFP submissions
Consultant, Advisory – Infrastructure, Government and Healthcare, May ’16 – Mar ’18

- Knowledge Management, Bengal Global Business Summit 2018, West Bengal
  - Drafted the West Bengal Agribusiness Whitepaper focused on improving global investment
  - Reviewed policies, conducted benchmarking analysis & developed policy recommendations

- Organization Restructuring of the Commissionerate of Taxes, Assam
  - Conducted change readiness assessment and engaged with stakeholders spanning 30+ offices
  - Designed to-be organization structure, systems & processes and change management plan

- Organization Transformation of 3 Department of Industries Business Units, Jharkhand
  - As-is study of JHARCRAFT, Khadi Board and Jharkhand Industrial Infrastructure Dev. Corp.
  - Prepared operation strategies, developed systems & processes and organization structures

- Project development and feasibility study of Waterfront Leisure Hub, Ranchi, Jharkhand
  - Prepared concept for area transformation & mixed-use development projects for 50+ acres
  - Performed market survey & project feasibility study for investment worth USD 8+ Mn

- Project Management of Tourism Destination Development of Patratu Dam, Jharkhand
  - Developed concept and execution strategy for 120+ acres of waterfront area development
  - Performed market research, risk & feasibility analysis and managed procurement processes
  - Structured terms for onboarding of Design & EPC vendors for contracts worth USD 20+ Mn

- Managed winning proposals for RFP bids for Swachh Bharat Mission, Jharkhand, 2016 & 2017

- Supported client and business development initiatives leading to successful bid for Project Development & Management Office for Ranchi Smart City Mission, Jharkhand, 2017

- Prepared winning proposal for street development & beautification in Ranchi, Jharkhand, 2017

- Supported client development for Jharkhand State Housing Reforms project – prepared business case, project scope & structure and proposal for RFP submission, Jharkhand, 2017

GEOCENTRIC ARCH INNOVATION (P) LTD., Delhi Jun ’11 – May ’14

Architectural Manager & Project Architect

- Managed resources and provided executive support for strategy and business development
- Led design team for execution of 2 high-rise group housing projects worth USD 200+ Million
- Supported sales & marketing for portfolio development of 50+ retail and 3800+ residential units

CERTIFICATIONS & BUSINESS SKILLS

PMP® – ADKAR® Change Management Professional – Envision SP

Strategy & Operations

- Market Analysis – industry & competitor research, benchmarking and risk management
- Strategy & Operations Structuring – analysis & due diligence, corporate strategy, modeling
- Business Process Re-engineering – systems & processes design and implementation planning

Change & Integration Management

- Institutional Analysis & Development – people analytics, systems & process development
- Change & Transformation – readiness assessment, stakeholder engagement & communications
- Organization Restructuring – organization design, technology enablement & capacity building

Urban Transformation

- Development-mix Planning & Operations Strategy – urban systems, smart cities and tourism
- Asset Management – structuring, procurement management and monitoring & evaluation
- Urban Analytics & Policy – technology integration, stakeholder engagement and policy analysis

***
Rahsan Ece Cam
Vancouver, BC  +1-778-723-6093  rahsanececam@gmail.com  www.linkedin.com/in/ececam

Profile
Highly qualified and dedicated architect with extensive project management experience with well-known international organizations managing the development of mixed-use mega projects throughout project life cycles. Also, has diverse commercial project experience under Design-Build contracts strengthening her constructability knowledge and value management skills. Interested in project management of mega projects demanding holistic approach for the valuable implementation of cost, quality and sustainability solutions.

Summary of Qualifications

• Her enthusiasm for improving her technical knowledge, strategic management skills and innovation capabilities brought her to UBC’s Master of Engineering Leadership hybrid program. Currently, she is enrolled in MEL - Urban Systems.
• Successful completion of two mega projects as part of Project Management Consultants’ teams. Manage Design Consultants either for master planning, infrastructure, landscape or building design packages. High risk quality, scope, schedule and budgetary items for the alignment of the project objectives and value systems. Properly manages conflicts and change instructions improving group outcomes.
• Passionate about value engineering practices and collaborating with Specialist Cost Consultants which resulted in significant values of cost savings. Implementation of major changes at concept design stage is her main goal to avoid abortive work in detailed design phases.
• Provide technical support during Tender stage; assess technical-commercial proposals, review and comment on the RFP documents and Contracts prior to issuance and assist in preparation of the award recommendations.

Experience

2015 – 2019  Design Manager
Kellogg Brown and Root (KBR), PMC
Abu Dhabi, UAE

Yas South Development Project: 140ha development with budget of $157m. Vibrant waterfront district comprise three areas: two hotels and a multi-purpose arena, office zone and residential/community services plots along with 20 recreational parks.

• Managed two international design consultants (AECOM & HYDER) on behalf of the Client for the successful completion of master planning and landscape design packages.
• Liaised with Client’s Asset Management department to implement operational requirements considering life-cycle assessment in cost and benefits.
• Liaised with Procurement department; reviewed and commented on the RFP documents and Contracts prior to issuance, assessed technical-commercial proposals and assisted in preparation of award recommendations.
• Managed Sustainability Consultant and sustainable design process to obtain authority approval that is a government mandate for the issuance of the Building Permits.

Achievement: Systematic review of documents, controlled identification of matters, implementation of value engineering and change management practices to align design with operational, budgetary and quality requirements.
2012 – 2014  Project Lead  
FLUOR, PMC  
Abu Dhabi, UAE

*Al Falah Community Development Project: 1200ha housing development for UAE Nationals.*  
*Provide 5000 villas and comprise of five villages, each with its own village center, schools and mosques.*  
*With a landscape budget of $129m and retail centers budget of $26m.*

- Liaised with an extensive number of Consultants, Contractors and Stakeholders for proper interface management and technical coordination.
- Managed entire design process for landscape design package and granted Stakeholder approval.
- Acted as the main technical adviser for the construction of Retail Centers.

**Achievement:** Successful conflict management capabilities in complex project, excellent Client/Stakeholder relations and quicker resolution for technical problems.

2008 – 2010  Lead Architect  
TAV Construction  
Dubai, UAE

*101 Floor Hotel and Residence Building: 425m skyscraper including 506 residential units and 5-star hotel with 281 rooms and 3 underground & 3 podium level parking floors.*

- Effectively spearheaded technical design management activities including sub-contractor management and liaison with the Architect of Record.
- Reviewed/approved the submission documents of sub-contractors (pre-qualifications, material submissions, sample submissions) and conducted site inspections for the approval of mockups.

**Achievement:** Developed valuable recommendations as an outcome of extensive coordination efforts between different disciplines.

2006 – 2008  Architect  
ENKA Engineering & Construction  
Istanbul, Turkey

*Metropolis Shopping Center and Offices, Moscow City, Russia. One of the biggest mixed-use developments of Moscow City with a budget of $1.4b (250-shops & A Class office buildings).*

**Achievement:** Preparation of architectural shop drawings for a Design-Build-Operate contract with significant consideration on operational aspects. Preparation of fire layouts based on NFPA to secure Fire Consultant’s approval which is a challenge for mega projects.

**Skills**

- Project Management  
- Design Management  
- Sustainable Design  
- Life Cycle Assessment  
- Value Engineering  
- Change Management  
- Risk Management  
- Procurement  
- Auto-Cad, Photoshop, Aconex

**Education**

University of British Columbia, Master  
Vancouver/Canada  
Master of Engineering Leadership, MEL (Urban Systems).

Key courses included: Urban Systems Engineering, Business Acumen for Technical Leaders, Project Delivery and Economics.

Istanbul Technical University, Master  
Istanbul/ Turkey  
Architectural Design Program, MSc. Thesis: “Subjective and Objective Consideration of Wayfinding Behavior in Hospital Buildings”. URL: http://hdl.handle.net/11527/3495

Istanbul Technical University, Bachelor  
Istanbul/ Turkey  
Architecture, BA
PERSONAL STATEMENT

Enthusiastic, self-motivated, eager to learn, and strong team builder with immense knowledge and experience in Architecture, Facility Management, Leadership, and Urban systems planning and analysis. Having enrolled in the Master of Engineering Leadership in Urban Systems at the University of British Columbia, my technical knowledge and leadership skills have been enriched.

CORE COMPETENCIES

• Highly skilled and experienced in building design, building information modelling, construction estimates, and construction supervision acquired through education and industry experience.
• Substantive knowledge in asset management, operation management, accounting and finance acquired from Master of Engineering Leadership, which boosted skills, and past experience in data centre and facility management.
• Strong knowledge in Infrastructure Asset Management acquired from UBC and demonstrated through developing an Asset Management Plan for the City of Coquitlam.
• Robust experience in research demonstrated through published academic papers in international journals and the UBC SEEDS Sustainability Program.
• Sound skills in leadership strategies demonstrated by the ability to change the team’s working style and operation process, resulting in reduced CAPEX and OPEX budgets.

PROFESSIONAL EXPERIENCE

Graduate Student, Urban Systems
UBC - MEL in Urban Systems
Vancouver, British Columbia
January 2020 - December 2020
• Effectively developed an Asset Management Plan for the City of Coquitlam using the GIS-based integrated software to model and develop rehabilitation budget proposals for the four road types.
• Successfully collaborated with Urban Systems students and the UBC SEEDs team, to research on Overcoming Obstacles to Widespread EV Charging in Strata-Owned Condos at UBC.
• Efficiently conducted a study on sustainable city development concepts and successfully developed a proposal for the Blatchford Redevelopment Project enriched with practical concepts of sustainability, well linked with the client’s development goals.

Tutorial Assistant and Architect
Ardhi University
Dar es Salaam, Tanzania
December 2015 - December 2019
• Effectively assisted senior lecturers in monitoring students’ performance and providing academic advice. Successfully demonstrated through a timely review of class materials with students, performing studio and research consultations, and keeping records related to course grades.
• Voluntarily collaborated with senior academic staff to prepare five research proposals, of which two were selected for further development and publication in 2019.
• Successfully conducted consultancy services and deliveries pre and post contract documents, performed tendering, and construction supervision for different government projects.
• Successfully collaborated with the Tanzanian Ministry of Education professionals, senior academic staff, and students to review the undergraduate architecture curriculum.
Facility Manager  
August 2013 - June 2015  

Maintenance Officer  
August 2012 - July 2013  

Facility Manager  
August 2013 - June 2015  

Maintenance Officer  
August 2012 - July 2013  

Millicom International Cellular  
Dar es Salaam, Tanzania  

- Successfully managed over fifty staff and liaised with contractors, consultants, technicians, and support staff, which led to increased efficiency in facilities operations.  
- Delegated responsibilities and monitored team members' performance in accordance with their respective job descriptions and rules of the company.  
- Effectively managed and supervised the construction and maintenance of all facilities accommodating over 2000 staff members and data centres throughout the country.  
- Successfully executed all the capital and operational expenses related to the company's facilities with a budget worth over 10 million US Dollars per year.  
- Created and managed an effective maintenance plan for customer services and sales centres.  
- Reduced costs associated with outsourcing by preparing drawings and Bills of Quantity in-house.

Graduate Architect  
October 2011 - July 2012  

Y&P Architects (T) Limited  
Dar es Salaam, Tanzania  

- Effectively developed conceptual design, outline proposals, and prepared working drawings for different projects such as residential units, commercial, office, and mixed-use buildings.  
- Facilitated building permits and supervised two residential construction projects, which led to the projects' timely delivery.  
- Involved in project procurement where I diligently prepared Expression of Interest, Pre-Qualification documents, Technical and Financial proposals, and performed tendering processes.

ACADEMIC QUALIFICATIONS

University of British Columbia  
Vancouver, BC  
Master of Engineering Leadership in Urban Systems  
Graduating in Dec. 2020  

- Gained outstanding knowledge in leadership, business, and urban systems engineering.  
- Successfully analysed various urban systems and their interdependencies using innovative solutions to inform decision-making.  
- Efficiently worked with industry professionals in urban systems to develop sustainable solutions related to infrastructure project delivery and economics.

University of Dar es Salaam  
Tanzania  
Bachelor of Architecture

VOLUNTEER EXPERIENCE

- Voluntarily formed a team of female construction professionals and successfully organized and performed training on low-cost housing development to women in unplanned settlements.  
- Willingly collaborated with Ardhi University staff to offer an open forum on settlement planning and housing regulations to residents in a new neighbourhood in Dar es Salaam.

KEY SKILLS

**Professional Skills**  
- Infrastructure Asset Management  
- Urban Infrastructure Planning and Analysis  
- Operations Management  
- Construction Management

**IT Skills**  
- Microsoft Office Suit  
- Adobe InDesign  
- Adobe Photoshop  
- BIM

**Architectural Software**  
- AutoCAD  
- SketchUp  
- Revit  
- Atlantis
NWORJIH JOYCE
joyce.nworjih@yahoo.com | +1 778 319 5263 | linkedin.com/in/chiamaka-joyce-n-a47a1a122

CAREER SUMMARY


- Sound knowledge of urban issues and planning principles acquired through education and nurtured through practice and continuous improvement in knowledge.
- Improved business and leadership skills gained through innovative courses from the UBC Sauder School of Business with focus on organizational behavior and strategic service delivery.
- Enhanced technical skills in the management of urban infrastructure acquired through experience and polished by the hybrid UBC Master of Engineering Leadership program.

CORE COMPETENCIES

- Urban Planning
- Project Management
- Communication
- Team Leadership
- Business Acumen
- Conflict Resolution
- Research
- Microsoft Office
- Operations
- Sustainability
- Adobe InDesign
- Microsoft Project
- Operations
- Sustainability
- Adobe InDesign
- Microsoft Project

EDUCATION

Master of Engineering Leadership in Urban Systems Expected Graduation (Dec. 2020)
University of British Columbia, Vancouver, Canada
- Successfully analyzed the condition of Local Road Networks for the City of Coquitlam using IDS Asset Optimizer software to determine the roads funding requirement.
- Diligently investigated the interplay of health policy and the built environment by evaluating the implementation of a new smoke and vape-free area in UBC health precinct.
- Developed alternative servicing options for Blatchford community redevelopment project and recommended innovative concepts in alignment with the City of Edmonton’s directives.

Master of Urban and Regional Planning
University of Nigeria, Nsukka, Nigeria.
- Investigated the role of the informal water sector in urban water supply in Enugu metropolis.

Bachelor of Urban and Regional Planning
University of Nigeria, Nsukka, Nigeria.
- Credentials evaluated by World Education Services.
WORK EXPERIENCE

Head, Development Control                                                                 Apr. 2018- Dec.2019
Awka Capital Territory Development Authority, Anambra Nigeria

- Successfully led a cross-functional team of 40 staff in development control activities by creating a motivating work environment that encouraged self-assessment and accountability.
- Fostered public-private partnership in the delivery of residential projects and approved Awka Millennium City resulting in economic boost and increase in housing stock within the State.
- Utilized data to develop trends and insights that improved planning performance and enhanced Internal Generated Revenue by identifying and resolving bottlenecks in the system.
- Collaborated and aligned with relevant intergovernmental agencies with a view to ensuring urban infrastructure projects met scope requirements and achieved deliverables in time.
- Promoted sustainability by providing expertise in planning, implementing, and monitoring of development projects to ensure compliance to State sustainability standards.

Ministry of Lands, Physical Planning and Rural Development, Awka, Nigeria.

- Diligently worked on a World Bank-assisted gully erosion project under the supervision of NEWMAP and prepared a Resettlement Policy Framework for the rehabilitation and management of Amachalla Gully Erosion Awka, Anambra State.
- Strategically resolved conflicts arising from non-inclusive policies by enabling public participation which fostered compliance to physical development standards.
- Organized public sessions, developed visual contents, prepared technical reports, and presented planning policies to Authority with recommendations for consideration.
- Fostered long-term planning and development of land and facilities by building strong working relationships with key community partners and promoting inclusion.
- Conducted in-depth research, analyzed data, and designed a comprehensive renewal plan for Okpoko slum upgrade resulting in a livable neighborhood.

Town Planning Assistant                                                                 June 2012–July 2013
Railway Property Management Company Limited, Lagos.

- Enthusiastically provided technical and functional support for the integration of land-use and railway which led to the realization of public policy benefits in the organization.
- Executed strategic direction and established an effective framework for the operations and maintenance of railway facilities resulting in improved value at lower costs.
- Eliminated costs associated with deferred maintenance and enhanced quality standards by conducting timely inspections and review of preventive maintenance programs.

VOLUNTEER

Sustainability Enthusiast
Operation-Plant-A-Tree Campaign, Anambra.

- Voluntarily contributed to environmental sustainability through bioremediation and tree planting in gully-prone communities.
- Created awareness on tree-planting which led to increased support and compulsory integration of trees in physical development proposals in the State Capital.
Urban planner with technical experience in multi-residential and commercial/industrial development. Currently pursuing Masters of Engineering Leadership degree in Urban Systems. Bachelors degree in Urban and Regional Planning. Skilled in project management, project budgeting and scheduling, negotiation, and facilitation. Able to manage teams within tight deadlines. Exceptional oral and written communication skills. Works will independently and in a team environment.

EDUCATION

Master of Engineering Leadership, Urban Systems | University of British Columbia | Vancouver, BC (candidate)

- Prepared clear and concise studies, reports, and correspondence related to business administration, urban systems planning, engineering, and asset management.
- Courses of interest: Organizational Leadership, Business Strategy and Innovation, Infrastructure Asset Management, Business Acumen for Technical Leaders

Bachelor of Urban & Regional Planning | Ryerson University | Toronto, ON (Graduated June 2016)

- Courses of interest: Planning Law, Conflict Resolution and Dispute Negotiation, Site Planning, Policy Analysis and Program Evaluation

PROFESSIONAL EXPERIENCE

Graduate Researcher | Municipal Natural Assets Initiative | Vancouver, BC (May 2020 – August 2020, contract)

- Thoroughly research local government practices for natural asset management in order to develop a comprehensive set of guidelines for natural asset management.
- Connect with industry contacts and conduct interviews with asset management professionals regarding best practices in natural asset management.
- Prepare a draft report: Professional Practice Guidelines for Natural Asset Management” to be published by Municipal Natural Assets Initiative and Engineers and Geoscientists BC.

Intermediate Planner | Bousfields Inc. | Toronto, ON (April 2018 – December 2019)

- Efficiently managed development approval applications, zoning by-law amendments other permit applications in order to obtain municipal approval expeditiously.
- Attentively led multi-disciplinary consultant teams to undertake major research and obtain approval of advanced development projects.
- Prepared comprehensive and effective planning justification reports and analytical reports to support approval of development applications.
- Provided exceptional presentations to municipal councils, committees, and the public to effectively communicate proposed development concepts and policy considerations.
• Established and maintained strong working relationships with internal and external contacts in a manner that represented the organization and the profession.
• Provided fundamental training and mentorship to junior staff to support long-term growth and success in the company and industry.

PROFESSIONAL EXPERIENCE (con.)
Planner | Glen Schnarr & Associates, Planning Consultants | Mississauga, ON (October 2015 – April 2018)

• Prepared comprehensive cost proposals for planning services, undertaking site visits and investigations to gain a complete understanding of constraints and opportunities.
• Expediently collected and reviewed provincial and municipal regulations applicable to each site to develop a thorough summary of the regulatory context.
• Provided advanced detailed technical recommendations through excellent written reports and oral presentations to obtain municipal approvals within client timelines.

Land Use Planning Assistant | Office of the Provincial Land and Development Facilitator, Ontario Ministry of Municipal Affairs and Housing | Toronto, ON (April 2015 – October 2015)

• Conducted regulatory research on behalf of the Provincial Land and Development Facilitator on complex land use planning issues involving multiple parties and government groups.
• Efficiently analyzed significant provincial and municipal policies, plans, and legislation, in order to accurately interpret regulatory permissions for development.
• Prepared detailed briefing materials for facilitation sessions and recorded minutes during facilitation meetings in order to maintain factual and comprehensive records.

ACADEMIC ENGAGEMENT
Host | Transportation Systems in a Pandemic Forum, UBC | August 2020

• Plan and host a student forum for the discussion of response measures taken by transportation systems around the world and how measures have been implemented.

Executive Committee Vice President of Urban Systems | Master of Engineering Leadership, UBC | January 2020 – Present

• Engage with students and act as the voice of the cohort. Provide feedback to the program coordinators, organize and promote activities.

Moderator | Urban Systems in a Pandemic Industry Panel Discussion, UBC | June 2020

• Moderated discussion with a panel of industry professionals for an interesting and engaging event centred around the impacts of COVID-19 on the provision of urban systems.

SKILLS
• Interpretation of municipal and provincial policy
• Conflict resolution and dispute negotiation
• Asset management
• Advanced computer skills, software: Tableau, Word, Outlook, Excel and PowerPoint
SUMMARY OF QUALIFICATIONS
Current UBC Master of Engineering Leadership (MEL) in Urban Systems graduate student, Architect and Urban Law Specialist with 10 years of professional experience in design, urban planning and land use policy in both private and public organizations, interested in urban sustainability and its relationship with infrastructure projects and land use approach.

- Strong leadership skills and group management in multidisciplinary urban planning processes that combine land use with urban systems such as mass transit/transportation projects, water and waste-water management and public space development, renewal and improvement.
- Proficient in understanding, creating and reviewing urban policy, and thorough understanding of various regional planning frameworks, strategies and plans for the Metro Vancouver area.
- Solid communications skills and strong commitment to generating comprehensive and inclusive urban planning processes through active and broad public engagement actions.
- Outstanding knowledge of land use planning processes, the different procurement modes for the development of urban infrastructure projects and strong aptitudes to coordinate technical and administrative actions and activities among stakeholders and interested parties.

EXPERIENCE
- Sustainability Scholar Intern at TransLink through UBC’s program that focus on applied research projects that advance sustainability across the region (2020) - Project Developed (link)
- Director of Land Use Policy of Bogotá (2016-2019) – Lead a team of 26 professionals at the Planning Department – Managed the formulation and review of the land use regulation and zoning for the city – Coordinated and addressed public engagement processes and various private and public stakeholder’s consultations and meetings regarding urban planning projects.
- Director, Leader and Project Architect at the Urban Management and Design Group of Contexto Urbano SA in Bogotá (2011-2015) – Lead a team of 6 architects - Coordinated the analysis of over 100 Land management plans - Designed several urban planning developing projects, agreements and urban policy tools for local municipalities approval.

PROFESSIONAL SKILLS
- Strong technical coordination skills and project management among multidisciplinary teams in urban planning and infrastructure projects design and development
- Impact analysis of urban densities and its relationship with public infrastructure
- Team-work passionate, multi-tasking encourager and challenges seeker
- Strong ability to work under pressure, decision-making and meet tight deadlines
- Excellent computer skills (Tableau, Office, Adobe Suite, AutoCAD, Revit, ArcGIS)

EDUCATION
- Urban Law Specialist – Universidad del Rosario, Bogotá, Colombia (2013-2014)
- Bachelor of Architecture – Pontificia Universidad Javeriana, Bogotá, Colombia (2005-2010)
**KENNETH SANTOS**

**SUMMARY**

- 10+ years of military program management, construction project management, civil engineering design.
- Successfully completing Master of Engineering Leadership in Urban Systems as 2020 Class President.
- Strengths: growth mindset, contagious enthusiasm, passionate urbanist, unmatched stamina, respect.
- Registered Professional Engineer in California since 10 June 2011 (License #78539)
- LEED BD+C Accredited Professional since 15 May 2013 (ID #10799405)
- Secret U.S. security clearance (since 15 September 2003 and valid until 16 January 2024)
- Proficient in MS Office, JPAS, DIAS, AutoCAD, Land Desktop, Primavera P6, Tableau, Sketching

**WORK EXPERIENCE**

**Transportation Policy Research Intern**

City of Vancouver  
May 2020 – August 2020  
Vancouver, Canada

- Expanded sustainable commuting plan to create $2M in annual transit incentives for 8,000+ city staff.
- Collaborated with zoning, real property, and capital infra. by promoting leadership amid COVID-19.

**Independent Civil Engineering Contractor**

Wright Water Engineers  
May 2018 – December 2018  
Denver, Colorado

- Estimated $10M process equipment portion of $40M water treatment plant, including peer review.
- Designed 60% contract documents for water/wastewater infrastructure for $6M resort community.
- Analyzed weir flow rates, concrete crack repairs, reservoir liners for current water system master plans.

**Asst. Project Manager**

Archer Western Construction  
June 2017 – May 2018  
Durango, Colorado

- Orchestrated subcontracts and purchase orders totaling $9M of $54M wastewater treatment plant.
- Reviewed and submitted 100 product data/O&M submittals to owner for approval, 97% successful.
- Tracked all equipment dimensions, deviations, and deliveries to ensure 100% on-time installation.
- Coordinated equipment changes and piping/valve measurements to prevent fitting issues in the field.
- Discovered change orders worth $100K and streamlined log to recoup all possible reimbursable costs.

**Asst. Project Manager, Security Manager**

Walsh Construction  
December 2015 – June 2017  
Oslo, Norway

- Coordinated all site security documentation including personnel and materials for $188M complex.
- Directed LEED Gold submissions for erosion control, waste management, recycled/regional materials.
- Engaged flooring, painting, scaffolding, and tiling subcontractors to efficiently finish scopes on-time.
- Compiled long-overdue change orders for legal proceedings worth $10M in electrical, mechanical lifts.
- Managed procurement and logistics to ensure on-time delivery of critical materials and supplies.
Asst. Project Manager, Facility Security Officer, Preconstruction Manager

Walsh Construction

December 2011 – December 2015

Chicago, Illinois

- Led 4 “Commendable” U.S. facility security clearance inspections including 45 cleared personnel and classified data storage, resulting in top 20% of nationwide ratings for 4 straight years (2012-2015).
- Compiled $450M in State Dept. project proposals and estimated classified portion of facilities.
- Estimated costs and coordinated subcontractors for 8 facility construction bids (Divisions 1-2, 5-14).
- Initiated cost reports, submittals, design inquiries, and closeout documents for $9M renovation.
- Spearheaded project manager and superintendent roles for 3-month, $135K hospital renovation.
- Assisted buy-out of numerous subcontracts (earthwork, electrical, etc.) for 2-year, $29M cemetery.

Resources Flight Commander, Base Energy Manager

U.S. Air Force

June 2009 – October 2010 (Captain)

Kunsan Air Base, South Korea

- Supervised 9 civilians including financial management, manpower, utilities, and real estate personnel.
- Led 34 troops as CE Unit Control Center Commander during 5-week wartime readiness exercises.
- Maintained COMSEC Officer role to ensure classified networks and hardware stayed secure 24-7.
- Managed energy program and utility consumption by identifying renewables projects saving $100K.
- Enforced conservation protocol to slash oil and electricity demands by 5%, thus saving USAF $213K.
- Spearheaded U.S.-Korea military leadership negotiations to resolve land transfer boundary disputes.

Construction Project Manager

U.S. Air Force

August 2008 – June 2009 (1st Lieutenant)

Camp Phoenix, Kabul, Afghanistan

- Directed $53M in construction designs/contracts for Afghan security forces on Pakistan border.
- Led 7-man engineer team to repair $1.2M structural/electrical damage to Army base (900 personnel).
- Revamped 21 standard design plans to enable $1.2B in construction theater-wide and cut requirement development time by 50% and procurement costs by 50%.

Pollution Prevention Program Manager, Military Construction Planner

U.S. Air Force

May 2006 – August 2008 (2nd Lieutenant)

Ellsworth Air Force Base, South Dakota

- Planned/designed $10M in critical facilities while balancing user requirements and cost constraints.
- Led 42 engineers as convoy/unit commander during 40-hr bivouac to provide essential war training.
- Officer-in-Charge of 15 Exercise Evaluation members to enhance combat contingency readiness.
- Streamlined user requirements of $74M in future projects to eliminate $65M in needless spending.

EDUCATION

Master of Engineering Leadership (MEL), Urban Systems

University of British Columbia

January 2020 – December 2020 (expected)

Vancouver, Canada

- Relevant Courses: Urban Systems Planning, Infrastructure Asset Management, Urban Engineering
- 100+ hours of active transit research within metro Vancouver under Dr. Alex Bigazzi (Oct-Dec 2019)

B.S. Civil Engineering, Military Studies minor

Pennsylvania State University

August 2001 – May 2006

University Park, Pennsylvania
Aanchal Sharma  
 aanchalsharma46@gmail.com | 778-922-2941 | 4085 West 34th Ave, Vancouver, V6S 2N6

**SUMMARY**
An aspiring engineering consultant with a keen interest in solving problems and in the ideology of a polymath, Aanchal is keen to make radical changes through strategic planning, technology implementation and data-driven decision making. Her strengths are excellent presentation skills, analytical mindset and thought leadership abilities.

**EDUCATION**

**University of British Columbia – Master of Engineering Leadership**  Jan 2020 – Dec 2020

- Courses: Risk analysis and decision making, Project delivery and Economics, Strategy and Innovation, Creative Destruction Lab, Analysis & Interpretations for Applied Sciences, Urban Systems Planning and Strategic planning: developing and implementing policy
- Projects: **TransLink**: Asset management plan for rolling stock and Analysis of procurement mode for Evergreen LRT, **City of Edmonton**: Recommended alternate servicing options for Blatchford re-development project
- **83.3% GPA**: Urban Systems Planning: **87%**, Strategic Planning: **89%**, Analysis & Interpretations for Applied Sciences **91%**

**Thapar University – Bachelor of Engineering (Civil)**  Jul 2012 – May 2016

- Recipient of Shakuntala Devi scholarship for ranking 1st among women in engineering.
- Capstone projects: Comparative dynamic and static seismic analysis of RC frame multi-story building with and without masonry infill wall, Design of water supply and sewage collection and treatment plant for 1384 acres National Dairy Research Institute, Karnal, India
- Interned with Ramboll India to deliver infrastructure designs for National Highway Authority of India project worth 67 Million USD.
- **80.7% GPA**

**PROFESSIONAL EXPERIENCE**

**Vancouver Airport Authority**  
*Sustainability Scholar*  May 2020 – Aug 2020

- Assisted Airport Authority to form policy to mitigate greenhouse gas emissions.
- Researched independently to deliver report and presentation, and to support the stakeholder’s vision.

**WSP Consultants India**  
*Assistant Engineer*  Jan 2019 – Nov 2019

- Design and assessment of road and rail bridges using finite element modeling software packages – LUSAS and MIDAS
- Suggested methods to reducing energy usage by 6% and emission reduction strategies at WSP office.
- Assisted in establishing the WSP USA offshoring operations of transportation and infrastructure team in India and brought business worth 1 Billion USD.
• Star awardee by Managing Director of Transport & Infrastructure, WSP United Kingdom for delivering impressive presentations representing Transportation and Infrastructure business unit.

Graduate Engineer Jul 2016 – Dec 2019
• Optimized software license utilisation process and saved unnecessary expenses worth 35,000 USD annually.
• Improved engineering processes by identifying the 100 automation opportunities.
• Led a team of five to deliver analysed data on 270 bridges in London North-West region of UK.
• Design and assessment of steel rail structures using Supersuite.

VOLUNTEER EXPERIENCE
• Led the CSR events in the field of education, healthcare, environment, and sustainable development goals at WSP India.
• Co-founded Women in Professional Services at WSP India.
• Led a team of five people to register 150 students for French and German classes for AIESEC school of languages.

SKILLS & COMPETENCIES
• R language  • MS Power BI  • Risk assessment  • Client relations
• Python  • Financial modeling  • Market analysis  • Executive team
• Tableau  • Demand forecasting  • Product innovation  • leadership

CERTIFICATIONS
Corporate Finance Institute: Financial Modeling & Valuation Analyst (pursuing)
HIRE A UBC MASTER OF ENGINEERING LEADERSHIP GRADUATE

With their proven experience and unique combination of technical and business skills, an MEL graduate adds measurable value to your team.

Contact us to connect directly with UBC MEL graduates – experienced professionals who are ready to apply their sector-specific knowledge to lead the multidisciplinary teams and projects that will help your organization thrive.

mel.ubc.ca/hire
CONTACT OUR TEAM
Reach out to Chris McKinnon, our Employer Relations and Careers Manager.
hire.mel@ubc.ca

POST A JOB
Complete our online form and send us your job posting. We’ll ensure it’s circulated to both the current cohort of MEL professionals and recent alumni.

mel.ubc.ca/post-a-job

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