**MONIR PEJGALEH, P.Eng.**

Vancouver, BC | (604) 367-8884 | monirpej@gmail.com

|  |
| --- |
| **PROFESSIONAL SUMMARY** |

Versatile, resourceful, and results-driven **Project Engineer** with an advanced background in **Systems Engineering** and over 6 years experience coordinating client projects, producing construction documents, and designing complex transmission and distribution lines using PLS-CADD.Proven history in leading teams in all aspects of project development – from initial design and planning through to commissioning and evaluation. Astute in identifying areas in need of improvement with the vision to develop and execute sound action plans. Recognized as a highly knowledgeable "go-to resource" whose advice on technical matters and project direction is held in prominent esteem.

|  |
| --- |
| **KEY STRENGTHS & SKILLS** |

|  |  |  |
| --- | --- | --- |
| * Project Management & Support * Engineering Design & Analysis * Strategic Planning & Execution | * Process Improvements * Estimation & Forecasting * Regulatory Compliance | * Technical & Client Support * Reporting & Documentation * Leadership & Team Building |

**Computer Skills**: PLS-CADD | PLS-Pole | Microsoft Office Suite | AutoCAD | Java | SAP

**Professional Languages:** English | Farsi | Arabic

|  |
| --- |
| **PROFESSIONAL EXPERIENCE** |

**Project Engineer** | Clean Energy Consulting – Vancouver, BC **June 2016 to Present**

* Contribute to the development and delivery of consulting projects for various leading power providers
* Design transmission and distribution lines using PLS-CADD and prepare construction drawings and documents
* Communicate with clients on a regular basis to update on project progress, identify needs, and address issues
* Conduct on site investigations and support the construction operations by providing documentation and data
* Review field condition assessment sheets, PLS-CADD model report, and outage stats provided by clients

Key Achievements:

* Successfully designed a complex portion of the distribution line that was critical to the interconnection between the Wedgemount Powerhouse and the existing BC Hydro line
* Achieved a strict deadline for BC Hydro to connect 3 new run-of-river power plants to a new collector substation by designing the overhead distribution lines and adding communication cables to new and existing power lines
* Completed the Eagle Gold Project under budget and within deadline and successfully connected the mine to the Yukon energy grid by designing a new 44 km transmission line and producing all construction documents
* Oversaw the development of a Condition Assessment Report for the FortisBC regular maintenance program undertaken every 8 years and prepared a construction package for remedial work needed for a transmission line

**Design Lead & Electrical EIT** | Amec Foster Wheeler – Vancouver, BC **Sept 2013 to June 2016**

* Contribute to the Transmission Wood Structure Replacement Program for BC Hydro as part of the Transmission Engineering department of the EPC company
* Assess, design, and replace selected Transmission wood structures and wood crossarms throughout the province
* Coordinate and schedule the deadlines and work distribution for up to 10 local team members and 5 subcontractors
* Liaise with the Engineering design team, consultants, and client to deliver Structure Replacement Packages
* Design and analyze Transmission lines using PLS-CADD and PLS-Pole
* Built key relationships with management team to ensure accurate and timely completion of project requirements

Key Achievements:

* Offered a full-time position as **Electrical EIT** after completion of Co-Op term for exceeding performance expectations and earned the title of **Design Lead** for current project for demonstrating advanced leadership skills
* Completed each fiscal year 20% below budget on average by streamlining the transfer of information from the initial collection of field data through to post-processing data, design, review, and delivery to the construction crew
* Received commendations form the BC Hydro client for demonstrating advanced technical competence, engineering management, and client support on the Transmission Wood Structure Replacement Program

**MONIR PEJGALEH, P.Eng.**

PAGE 2 | (604) 367-8884 | monirpej@gmail.com

|  |
| --- |
| **PROFESSIONAL EXPERIENCE CONT’D** |

**Maintenance & Technical Engineer (Intern)** | Husky Energy – Vancouver, BC **Jan 2012 to Aug 2012**

* Contributed to the creation of preventive maintenance plans for three new facilities
* Evaluated and organized instrumentation equipment using a standard Pipeline and Instruments Diagram (P&IDs)
* Worked closely with design companies in ranking received equipment based on the facility’s needs
* Created an inventory of all the spare parts for each facility and developed an annual plan for maintenance check

Key Achievements:

* Contributed to the completion of an equipment inventory project 4 months ahead of deadline by reviewing equipment inventory lists for existing facilities to ensure they were all accurate and parts were available
* Received praise from senior staff members for meeting or exceeding all work expectations

**Systems Engineer (Intern)** | EBLA Computer Consultancy – Kuwait **May 2010 to Aug 2010**

* Contributed to the operating system upgrade project for various sectors of the Kuwaiti Government
* Supported external clients as they upgraded their operating systems from Windows XP to Windows 7
* Used ImageX to capture, deploy, and create an image of the different operating systems
* Performed troubleshooting for program errors and trained client staff members on how to use the new system

Key Achievements:

* Offered a two-week contract extension after the internship and earned a bonus for always achieving strict deadlines
* Successfully trained the new Systems Engineer to effectively succeed the vacated role

**Office Manager** | VANOC/Impark – Burnaby, BC **Jan 2010 to March 2010**

* Oversaw the training, scheduling, and coordination of a 15-person team during the 2010 Winter Olympics

|  |
| --- |
| **EDUCATION & MEMBERSHIPS** |

**Bachelor of Applied Science, Systems Engineering |** Simon Fraser University – Burnaby, BC **2012**

Relevant Coursework: Micro Controllers & Assembly Programming | Microelectronics I & II | Feedback Control | Sensors & Actuators | Multimedia Communications | Control Systems | Computer Aided Design | Data Structure Programming | Real Time Embedded Systems | Optical & Laser Engineering | Intro To Robotics

Automated Liquid Control Using Cellular Network Project:

* Built a system that can control water flow between two tanks via text messaging and also use a Programmable Logic Control (PLC) device to control the switches, fuses, and sensors
* Collaborated with four team members in the research, design, production, testing, and implementation of the system
* Oversaw the synching of the sensor with the PLC program and established the detection range
* Created a back-up plan that will allow wireless communication with the controller through the internet

Mobile Air-Hockey Playing Robot:

* Designed air-hockey robots with two wheels, a shooting stick, and a way of pulling the puck out of hard-to-reach areas by applying our C++ programming knowledge

Stereoscopic Image Codec Project:

* Built an image codec using MATLAB that takes two stereoscopic images to create a 3D image output on a screen

**Diploma of General Studies |** University College of Fraser Valley – Abbotsford, BC **2008**

**Professional Engineer Designation** | Engineers & Geoscientists BC **2018 to Present**

**Class 5 Driver’s License**