

## Professional Summary

Experienced Mechanical Engineer specializing in estimating, project coordination, and change management within industrial settings. Skilled in cost analysis, change order development, and optimizing operational efficiency. Proven ability to lead large-scale projects and collaborate across teams to achieve project goals.

## Work Experience

### **Pennecon Industrial Ltd (Permanent)**

#### **Mechanical Estimator**

**Jun 2024 – Present**

- Developed detailed cost estimates for conceptual, design-build, and general tender work using Accubid/MS Excel and industry norms (John S. Page, MCAA).
- Collaborated with cross-functional teams to establish accurate unit costs, labor rates, and productivity factors.
- Attended site visits, prepared project schedules alongside in-house schedulers, and conducted stakeholder meetings to address execution plans and estimate reviews.
- Ensured seamless transition of awarded projects to on-site teams with comprehensive documentation.

#### **Project Controls Coordinator – Vale Voisey's Bay Mine**

**Mar 2024 – Jun 2024**

- Managed construction progress tracking using field-installed quantities across mechanical, electrical, architectural, and structural disciplines.
- Analyzed earned value, budget performance, and productivity factors to ensure project alignment.
- Collaborated with client representatives to maintain accurate reporting and forecasting.

#### **Mechanical Change Management Coordinator – Vale Voisey's Bay Mine**

**Oct 2022 – Mar 2024**

- Created and submitted over 1,000 Field Work Instructions (FWIs) and Change Orders (COs), securing approvals for over \$50M in additional scope.
- Conducted detailed cost analysis, assessing material deficiencies, equipment, and labor impacts.

### **RothLochston VEL LTD.**

#### **Project Coordinator – Vale Voisey's Bay Mine**

**Sep 2021 – Oct 2022**

- Managed vendor relations, material pricing, and procurement processes.
- Developed and reviewed over \$10M change orders across various contract types (Lump Sum, T&M, Unit Rate).
- Created as-built documentation for successful project closeouts.

### **North Atlantic Refinery Ltd.**

#### **Reliability Engineer**

**Jan 2020 – Mar 2020**

- Maintained and structured a location hierarchy system for 20,000+ assets using IBM MAXIMO.
- Developed reports on preventive maintenance backlogs and forecasts using MS Excel.

### **The Cahill Group**

#### **Maintenance Engineer – MUN Core Sciences Building**

**May 2019 – Aug 2019**

- Oversaw tool, equipment, and vehicle tracking for the \$350M MUN Core Sciences Building project.

### **Town of Baie Verte**

#### **Project Engineer**

**Sep 2018 – Dec 2018**

- Developed GIS maps for the town's assets using QGIS.
- Facilitated engineering inquiries and managed document packages for RFIs and RFQs.

### **F&P Manufacturing Inc.**

#### **Mechanical Engineer**

**Jan 2018 – Apr 2018**

- Operated hydraulic presses, welding machines, and robotic arms for manufacturing operations.

## Education

**B.Eng., Mechanical Engineering Co-op Program**  
Memorial University of Newfoundland

Sep 2016 – May 2021

## Awards

- Specialization: Mechatronics and Materials
- Final Year GPA: 3.80
- Scholarships: International Entrance Scholarship, PEGNL Bursary (2x)

## University Positions

- Research Assistant
- Exam Invigilator
- Office Support Assistant

## Technical Projects

- Sustainable Energy of a Wastewater Treatment Unit (Capstone Project)
- Reliability Analysis of a Shell and Tube Heat Exchanger
- Drive Shaft Design - Fatigue and Fracture Mechanics
- 5-DOF Robot Kinematic Analysis and Simulation
- Earthquake Damage Control Using Pendulum System
- Mechanical Component Design - Car Jack Using a Power Screw
- Reverse Engineering and 3D Modeling in SolidWorks

## Technical Skills

- Business Applications: MS Excel (VBA Macro), Procore, MS Suite
- CAD Software: SolidWorks, AutoCAD, NavisWorks 360
- PDF Management: Adobe Acrobat Pro, Bluebeam Revu
- Estimating Tools: Trimble Accubid Estimating, Accubid Manager, LiveCount
- CMMS Database: IBM MAXIMO
- Scheduling Tools: Primavera P6
- Programming: HTML, CSS, JavaScript, C++, Python
- GIS Mapping: QGIS, ArcGIS

## Certifications

- Standard First Aid - Canadian Red Cross
- Google Project Management Certification
- OH&S Training - Workplace NL
- WHMIS 2015
- Class 5 Driver's License, Clean Driver's Abstract
- Canadian Permanent Residency Status

## References

Available upon request.