

MECHANICAL ENGINEERCORE STRENGTHS

Leadership | Strategic Planning | International Workflow | Material Engineering | Production Design | Thermal Design
Solution Oriented | Risk Mitigation | Research and Development | Innovation | Creative Technical Work

PROFESSIONAL OVERVIEW**ALOOKI— St. John's, Newfoundland**

1/2023–Present

HARDWARE ENGINEER (*Sensor Integration and Solutions*)

- Cad Design - Integration solutions to mount and transmit key sensor data back to our servers. From Small Hardware addons to Large frames of which sensors would integrate onto lines for data capture.
- System Architecture - Once our systems collected data the Extraction, Transformation and Loading of that information into Databases
- System Admin - Network Engineering to keep the company's cybersecurity safe

BRIDGEVIEW - IT CONSULTING & STAFFING— Denver, Colorado

7/2024 – 7/2025

ETL ENGINEER (*Database Engineer and code specialist*)

- Postgres Database Design - Formatting and layout .
- GCP Engineering - Full stack solution to grab data of a shared location and automate its handling, and delivery

INPIXON — Palo Alto, California

9/2019 – 9/2022

HARDWARE ENGINEER (*Indoor Mapping, Positioning, Security and Analytics Company Specializing in Civilian and Military Markets*)

- Cad-Design - Specialized in creating new design compatibility with injection molding.
- IPXX Design - Water and dust proof sensors for outdoor environments.
- Thermal Regulation Design - To keep devices from overheating in hot and humid environments.

NEWFOUNDLAND AND LABRADOR HYDRO — St. John's, Newfoundland

4/2018 – 4/2019

PROJECT EXECUTION AND TECHNICAL SERVICES ENGINEER (*Primary Power Production Company for the Province*)

- Commissioning - 8, 150+ MW Hydro electric Generators as a part of a water header project in BDE.
- Field inspections - Power production turbines inspection, noting typical operating conditions; inspection of delivered goods.
- Designed and commissioned structural equipment - at Burnt Dam.
- RFP, RFQ, Equipment - For "like for like" projects such as air exchanging at Cartwright diesel.

MEMORIAL UNIVERSITY OF NEWFOUNDLAND — St. John's, Newfoundland

1/2017 – 4/2017

FULL-STACK DEVELOPER (*To update and web-ify the Teaching Equivalencies Database*)

- Fullstack Development
- SQL database architecture (MySQL, postgresSQL)
- Web scraping for information to populate datasets

PERSONAL PROJECTS**RELOADING**

2022

- Casting and tinkering with making my own ammunition

VEHICLE REPAIR

2020 – Present

- I Like to disassemble and custom-modify my vehicles, mostly motorcycles
- Modifications like, lighting, killswitches, and generic performance upgrades hand built.

MUN AERO

9/2016 – 4/ 2020

- Founder and leader of an Unmanned Aerial Vehicle student design club
- Designed a Bi-Plane capable of dropping 8x1lb payloads from an altitude of 500ft

EDUCATION & CREDENTIALS**Bachelor of Science, Mechanical Engineering/Biomedical Engineering – Memorial University of Newfoundland, St. John's, Newfoundland**TECHNICAL SKILLS

Program Technology: MAC/Windows OS | MS Office | Python 2.7, 3+ | Matlab | Linux | SOLIDWORKS | AutoCAD | Baumer Camera |
Staubli Robotics | ABB Robotics | Electrical Cabinet Design | Network Engineering

Professional Organizations: Professional Engineers and Geoscientists of Newfoundland and Labrador