

## SUMMARY OF SKILLS

- Programming experience: Assembly - PIC microcontrollers (PIC16F917) and HCS12, Python, C, VBA, HTML, CSS, JavaScript, MATLAB/Simulink, Raspberry Pi, Arduino
- Engineering skills: Technical documentation, engineering software (KiCad, AWR, Feko, MATLAB, Quartus, Multisim, Virtuoso), electrical circuit/PCB design, computer architecture, CMOS logic, Lab equipment
- Conception of a Data Acquisition System to translate morse code to readable text as part of a small team
- Conception of a search and rescue robot using Raspberry Pi within a small team of graduating students
- Outstanding communication, skill sharing and team collaboration
- Prioritization of deadlines
- Flawless bilingualism

## EDUCATION

### **Bachelor's degree in electrical engineering**

**September 2020 – April 2025**

University of Ottawa, Ottawa (Ontario)

- Teaching Assistant for Integrated Control Systems (ELG4159)

## FURTHER EDUCATION

### **The Complete Web Development Bootcamp**

**May 2023 – April 2024**

(<https://www.udemy.com/course/the-complete-web-development-bootcamp/>)

### **Automotive Engineering: Automobile Fundamentals**

**August 2022 – July 2023**

(<https://www.udemy.com/course/automotive-engineering-automobile-fundamentals-and-advanced/>)

## JOB EXPERIENCE

### **Technical Officer**

**September 2023 – December 2023**

Innovation, Science and Economic Development

- Develop and debug VBA macros for Microsoft Excel/Access databases
- Review and analyze project deliverables, coverage maps, and network infrastructure.
- Present tutorials on new mapping functionalities to staff members.
- Cleared and approved for long term security clearance

### **Electromagnetic Compatibility Intern**

**January 2023 – April 2023**

Bombardier

- Simulate and analyzed electromagnetic interference using Altair Feko.
- Develop tools for validating EMC data and evaluating shielding effectiveness.
- Conduct data analysis and research with Python on EMC projects.

### **Electrical Engineering COOP Student**

**May 2022 – August 2022**

Canadian Coast Guard

- Assist in building and updating electrical infrastructure for the coast guard's ships
- Research renewable energy solutions for future ships/maritime applications
- Analyze and correct official documents
- Contribute to various advancements and projects with the CCG Engineering Support Group

**References available upon request**