Cameron **Faith**

Computer Engineering Student

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LinkedIn:

www.linkedin.com/in/cmrnfaith

GitHub: https://github.com/cmrnfaith

Known Languages

Python

C / C++

Java

React

Key skills

GitHub

PostgreSQL

Power BI

Linux Development

Algorithm Design

Achievements

Developed a cryptocurrency trading bot in Python that beats a buy and hold strategy

Programming a two-player tank game using an embedded system to receive 2nd place out of 30 student projects

Awarded the Louise McKinney Scholarship

Built an AC Cobra kit car from the ground up

Objective

Fourth year electrical & computer engineering student seeking a software employment opportunity.

Education

2017-2022 | University of Calgary, Calgary
Bachelor of Science, Electrical Engineering **w/ Computer Minor** GPA **3.87**

Project Experience

Crypto Trading Platform (In progress)

- Created a web-tool for users to test various trading strategies on crypto using fake money
- Implemented a back testing tool to allow users to test various trading algorithms together over historical data

Crypto Trading Bot

- Developed a back testing software in Python to test various strategies.
- Used a bot connected to an exchange's API to validate the strategy live.

Tire Temperature and Pressure Monitoring System (ENEL 400)

- Java GUI to visualize the tire data from the rim-mounted sensor
- Designed a communication protocol over 2.4GHz to log data from each of the 4 sensors from a central Atmega328P Microcontroller

Course Registration System (ENSF 409)

- Created a course registration system GUI in Java that saves student course data in a MySQL Database

Club Experience

Sep. 2018–May 2019 *Student Member* / Embedded in Embedded

- Learned about embedded systems and wrote firmware for a custom Razor Atmel development board in C.
- A basic knowledge of Tera Term, IAR, and ANT-ware was gained as well as software design practices, software structure (OOP), and version control (GitHub).

2017–2021 *Suspension Team Member* / U of C SAE Formula Racing

- Designed linear potentiometers that measure suspension spring travel.
- Developed software using MATLAB to visualize the car's lap data.
- Worked with other mechanical team members to evaluate tyre designs and model their dynamic properties in MATLAB to select the optimal tyre size.

Work Experience

May 2020–Sept. 2021 *Project Development Co-op* / Enbridge

- Developed automated reports using Power BI and Power Automate
- Aided in the development of the company database and managed a team project list in a MS SharePoint List
- Completed development work on Offshore Wind Projects in France, Scotland, and Poland

May 2019–Aug. 2019 *Relief Operator Summer Student* | CNRL

- Operated 40 wells and 7 compressor units independently.

May 2018–Aug. 2018 *Project Coordinator* / Graham Industrial

- Formulated complete project plans and coordinated engineering, design, and shop drawing efforts.