

# Cameron Faith

Computer Engineering Student

**Phone:** +1 (587) 437-7557

**Email:** cmrnfaith@gmail.com

**LinkedIn:** [www.linkedin.com/in/cmrnfaith](http://www.linkedin.com/in/cmrnfaith)

**GitHub:** <https://github.com/cmrnfaith>

## Known Languages

Python

C / C++

Java

MATLAB

## 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 2<sup>nd</sup> 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 **3.85**

## Project Experience

### Crypto Trading Bot (In Progress)

- 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)

- Developed a 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 a permanent mounting location for the car's linear potentiometers that measure suspension spring travel.
- Developed a data monitoring software using MATLAB to visualize the car's track data lap-by-lap.
- 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.