

Electrical Engineering Undergraduate Student Summary

- **Co-lead software engineer** in a Cryptography final project. We successfully recovered a secret key from a private-key cryptography scheme like AES; programmed in Python
- **Lead software engineer** in a Mechatronics final project. I wrote iterations of lean and efficient code to run a scaled assembly line process to classify and sort objects as quickly as possible. In testing, we completed the challenge in 32 seconds, which lands in the top 3 groups; programmed in embedded C

Work History

- Automation & Design Intern
Barrie Machine & Welding

May 2021 - August 2022

 - Worked in the Engineering team directly under the department lead solving automation design and programming challenges in an environment with fast deadlines
- Electrical Design Technologist
RF Binnie & Associates

November 2018 - December 2019

 - Worked in the Electrical Engineering team under the department head engineer client-facing multiple simultaneous construction projects between customers, suppliers, engineers and contractors from bidding on new projects, to finalizing builds

Education

- Bachelor's of Engineering (Electrical)
University of Victoria

January 2021 - April 2023

Specialization in Computational Intelligence

 - Past coursework includes Applied Cryptography, Mechatronics, Communication Networks, Numerical Analysis and Microprocessor-based systems.
 - Future coursework includes Blockchain Technologies, Artificial Intelligence, Data Analysis and Pattern Recognition, Computer Vision and Public Speaking
- Electrical & Computer Engineering Bridge – Advanced Diploma
Camosun College

January 2020 - December 2022

 - Past coursework includes Data Structures & Applications, Programming for Engineers, Discrete Structures in Engineering, Probability & Statistics for Engineers, and Mathematics
- Electrical Engineering Technology – Advanced Diploma
Georgian College

September 2015 - August 2018

Skills

C

Python

C++

HTML

CSS

Bootstrap

git

MATLAB

R

Interests

- When I'm not studying, you can find me in the outdoors (hiking, cycling, motorcycling, climbing, surfing, skiing), travelling (South East Asia was my favourite), exercising, learning about programming and finance (Object Oriented Programming and Blockchain Technology), playing sports (hockey, squash, ultimate frisbee), and reading daily
- Active member in the University of Victoria's Investment Group, and the Cryptocurrency Group