

OWEN CREWE

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📍 Victoria, BC, Canada ☎ (778)-678-3740

EDUCATION

University of Victoria

Bachelor of Software Engineering - GPA: 8.0/9.0

Expected Graduation: August 2024

Awards

- Faculty of Engineering: Dean's Entrance Scholarship
- Excellence in Math Scholarship
- Canadian Computing Competition Certificate of Distinction

WORK EXPERIENCE

VertiGIS North America, Victoria BC

Quality Assurance Analyst Co-op

Jan 2021 - April 2021

- Shipped 2 versions of [GeoCortex Studio Web](#).
- Performed quality testing on dozens of new features and bugs.
- Managed and updated hundreds of user tests and the accompanying automated test suite.

PROJECTS (ALL AVAILABLE IN GITHUB)

Hybrid Engine Controls System

[UVic Rocketry](#)

May 2022 - Aug 2022

- Redesigned unfinished legacy controls system for the UVic Rocketry club's prototype hybrid-fuel engine
- Implemented two-way communication over serial and network links between a series of computers and micro-controllers

Secure Messaging Application

Oct 2021 - Dec 2021

- Built a messaging application for Security Engineering class in small group
- Implemented public-key cryptography and communication over WebSockets
- Tech: React, TypeScript, Python, SQLite

Battlesnake

2019/2020

- Constructed a HTTP server with python to communicate with the [Battlesnake](#) API and compete in competitions
- Hosted first on Heroku and then a RaspberryPi

SKILLS

Languages: Python, C, Java, JavaScript/TypeScript

Software & Tools: **Web:** NodeJS, React, MySQL

Others: Linux, Git, Docker, Wireshark, Vim

Courses: Data Structures and Algorithms, Database Systems, Networking, Operating Systems, Software Evolution (CI/CD)

EXTRACURRICULAR

In my freetime I enjoy:

- Taking apart old electronics. From an unused laptop I repurposed the speaker, 16650 batteries, and the LCD as a bluetooth speaker, portable chargers, and an additional monitor
- Rock climbing, backpacking, kayaking, snowshoeing, or anything that allows me to explore the remote areas of Vancouver Island and beyond