

# Owen Crewe

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## EDUCATION

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### University of Victoria

BSEng in Software Engineering GPA: 4.0/4.33

Victoria, BC

Expected Graduation: April 2024

#### Awards

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

## EXPERIENCE

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### VertiGIS North America

Quality Assurance Analyst Co-op

Victoria, BC

Jan 2021 - Apr 2021

- Performed functional and user viewpoint testing on Geocortex Web product.
- Reported bugs, tracked defects, and resolved issues.
- Maintained automated functional testing repository.

## PROJECTS

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### UVic Rocketry

Jan 2022 - Present

- Redesigning the UVic Rocketry Team's website using Frontity.
- Refactoring legacy hybrid engine control software.

### Personal Website

Dec 2021 - Jan 2022

- Created a personal website using React and NextJS, hosted on Vercel.

### Secure Messaging Application

Oct 2021 - Dec 2021

- Built a messaging application for Security Engineering class in small group.
- Created a React client and Python server with an SQLite database.
- Implemented public-key cryptography and communication over WebSocket.

### Battlesnake

2019/2020

- Constructed a HTTP server with python to communicate with the Battlesnake API and compete in competitions at battlesnake.com.
- Hosted first on Heroku and then a RaspberryPi.

## SKILLS & COURSES

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- Relevant Coursework: Data Structures and Algorithms, Software Testing, Security Engineering, Database Systems, Communication Networks, Software Evolution (CI/CD).
- Programming Languages and Software: Python, C, Java, Javascript/Typescript, NodeJS, React, Express, NextJS, Git, Bash, Wireshark.

## MORE ABOUT ME

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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.
- Venturing into the outdoors. Growing up on Vancouver Island has allowed me to take on plenty of trips, from weekend kayak overnights, to four days on a ridge with broken snowshoes, to the summit of the Island's highest peak, to an eight day backpacking/mountain biking circuit around the remote northern tip of the Island.