

Education

Bachelor of Computer Science

8/9 GPA

Expected graduation date December 2022. University of Victoria

- **Related Coursework:** Algorithms and Data Structures, Database Systems, Software Development Methods, Human Computer Interaction, Operating System, Programming Languages, Compiler Construction
- **Activities:**
President of the [UVic Programming Club](#) (Jan 2021 - now)
Member of Women in Computer and Engineering (Jan 2019 - now)

Experience

Helm Operations - Full Stack Software Developer Intern

Jan 2020-Aug 2020/Victoria, Canada

Helm Operations develops management software for work boat companies.

- Implemented new product feature that increased productivity by converting and consolidating timezone information on the app.
- Implemented new product feature that increased efficiency by helping users update multiple requested trip dates simultaneously while automatically accounting for time conflicts.
- Implemented new product feature that automatically recorded each vessel's operations. It was a part of the "Captain Logs" project, the best selling feature. Built with JavaScript, Knockout.js, HTML/CSS for frontend development, C# and SQL in the backend.
- Wrote end-to-end tests for APIs using Puppeteer which helped reduce QAs' workload.

Floating Cube Studios - Quality Assurance (part-time)

Nov 2017-Mar 2018/Vietnam

Floating Cube Studios provides point of sales (POS) systems.

- Ensured software met quality standards by giving different inputs and working with POS peripheral products.
- Documented dozens of issues to help improve the product for users.

Projects

UVic Spookathon:

Built a web app in 3 hours that creates a custom story based on the user's action choices. Won **1st Prize** in UVic Spookathon 2019. Built with Google Text-to-Speech, Javascript, and HTML/CSS.

Kattis Performance Tracker:

A Flask app that keeps track of the problem solving statuses on [Kattis](#) website. Built with Requests to log in the profile page, BeautifulSoup to get data, SQLite to store information and get records by grouping them by date and statuses, and Flask template, Javascript, and HTML/CSS to render processed information on a calendar. I am currently ranked **top 3** in [UVic Kattis Ranklist](#). Took part in the International Collegiate Programming Contest ([ICPC](#)) 2019 and March 2021.

An application to support information reception for the Deaf-Mute:

A mobile app that translates speech to Ho Chi Minh Sign Language. Won **2nd National Prize** in Vietnam National Secondary Student Science and Engineering Fair (ViSEF) 2016-2017, a part of the [ISEF](#). Built with C#, .NET Framework, and SQLite.

IELTS Speaking Simulator:

An Android app that helps people practice speaking English for the IELTS exam. Built with Java and Android Studio, SQLite to store questions, Android SpeechRecognizer to detect when the user speaks or stops, and Text-to-Speech to read the questions.

Skills

Proficient: Python, C++, JavaScript, Java

Prior Experience & Technologies:

C#, C, HTML/CSS, PostgreSQL, Flask, Node.js, Knockout.js, jQuery, Git

Industry Knowledge: Agile Methodologies, Web Development, Scrum