

EDUCATION

Bachelor of Arts Computer Science
University of British Columbia
GPA: 4.20 / 4.33, CS avg: 88.8%
Expected Graduation: May 2022

PROJECTS

DDA App Personal Project
Jan 2019 – Present Code the Change

- Coordinating with a team to create a mobile app to help people with developmental disabilities adjust to new jobs. Designed for the Developmental Disabilities Association for both Android and IOS platforms.
- Using React Native and Javascript to implement front-end features such as buttons, forms, and headers.
- Code the Change is a club that builds open-source software for non-profits that are unable to develop software for themselves.

Flow Hackathon Project
May 2019

- Designed a low-cost water usage analytics system with a team of 4, using Arduino hardware and a React website.
- Programmed and wired an Arduino to make a low-cost water meter that measured water pressure and volume as water flowed through a water sensor, and displayed information through a LCD screen.
- Won Most Popular Vote prize at Girls in Tech Hacking for Humanity 2019

Asynchrony Academic Project
Mar 2019 CPSC 213: Intro to Computer Systems

Flood Fill Algorithms Academic Project
Feb 2019 CPSC 221: Data Structures

- Implemented basic stacks, queues, and deques in C++, later using them to create breadth- and depth-first-search algorithms operating on PNGs.
- Developed colour manipulation algorithms that performed operations on pixels based on image position or degree of colour similarity to a surrounding pixels.

Daily Journal Personal/Academic Project
Sept – Dec 2018 CPSC 210: Software Construction

- Designed and developed a Java desktop application to store, categorize, and display journal entries.
- Used JUnit 5 to employ test driven development.
- Implemented a graphical user interface with Java Swing.

SKILLS

Languages	Technologies
Java	Arduino
C++	Git*
C	React Native*
Javascript*	SQL*

* Currently acquiring

EXPERIENCE

Teaching Assistant UBC Computer Science
Sept 2018 – Present

- Effectively communicates introductory computer science concepts (eg. data and function design, recursion) to students without prior programming experience.
- Prepares weekly labs, grades assignments and exams, and holds office hours.

Production Assistant UBC School of Music
Sept 2017 – Aug 2018

- Assisted the Concerts and Communications staff and performed administrative duties such as blog updates, Excel data entry and maintenance, and poster distribution.
- Acted as an usher or ticket receptionist at School of Music concerts.

VOLUNTEERING

nwHacks Logistics Director nwPlus
April 2019 – Present

- Directs a team that organizes the logistical aspects of the event, such as venue and food, volunteer coordination, and participant applications.
- nwHacks is a 24-hour, 700-person hackathon dedicated to supporting the thriving community of technology lovers in the Pacific Northwest.

2nd Year Representative nwPlus
Oct 2018 – Apr 2019

- Acted as a Logistics Coordinator for nwHacks; responsible for issues such as wifi and food bookings, travel reimbursement applications, and making sure the event ran smoothly.

Floor Representative Totem Park Residence Assoc.
Oct 2017 – Apr 2018

Planned, organized, and participated in events in the CSNM residence at UBC. Led a successful event in which the house council collected clothing and hygiene donations for Lookout Society, a Vancouver-based shelter organization.

HOBBIES & INTERESTS

Baking, film photography, sewing, viola, linguistics