

## EDUCATION

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

## EXPERIENCE

**Research Assistant** UBC  
**Starting April 2020**

- Researching the user perception of the implementation of AI in learning with Dongwook Yoon and Sidney Fels at the University of British Columbia.

**Full-Stack Developer** Redbrick  
**Sept 2019 – April 2020**

- Implemented new features and bug fixes for a desktop Windows app with WPF in C# and .NET.
- Built and styled product websites with Javascript, CSS/SASS, and HTML.
- Built an ETL data pipeline in Python to centralize and enhance data analytics flow, using AWS Lambda and Amazon CloudWatch to automate and monitor the process.

**Teaching Assistant** UBC Computer Science  
**Sept 2018 – Aug 2019**

- Effectively communicated introductory computer science concepts (eg. data and function design, recursion, OOP) to students with minimal prior programming experience.
- Prepared weekly labs, graded assignments and exams, and assisted in lectures.

## LEADERSHIP

**cmd-f Logistics Director** nwPlus  
**Starting April 2020**

- Leading a team of 4 to establish and organize a high school + university student mentorship program, technical and career development-based workshops, and Vancouver's biggest all-female\* hackathon.

**Co-Chair** CUCSC  
**Nov 2019 – Present**

- Co-leading a team of 16 for the Canadian Undergraduate Computer Science Conference (CUCSC), a conference focused on celebrating diversity and undergraduate research in computer science.

**nwHacks Logistics Director** nwPlus  
**April 2019 – April 2020**

- Directed a team of 6 that organized the logistical aspects of nwHacks, such as venue and food, volunteer coordination, and participant applications.
- nwHacks is a 24-hour hackathon dedicated to supporting the thriving community of technology lovers in the Pacific Northwest. nwHacks 2020 welcomed ~1000 hackers, volunteers, mentors/sponsors, and organizers.

## SKILLS

### Languages

Java  
 C/C++  
 C#  
 Python\*

### Technologies

HTML / CSS  
 Git  
 SQL\*  
 Javascript\*

\* Currently acquiring

## TECHNICAL PROJECTS

**cmd-f Applicant Updater** Personal Project  
**February 2020**

- Wrote a Slackbot in Node.JS and Google Apps Script that sent an update to our Slack every time our hackathon application numbers reached a multiple of 25.

**joicetang.com** Personal Project  
**Ongoing**

- Designed and created personal website with HTML, CSS, and Jekyll.

**DDA App** Personal Project  
**Jan 2019 – Dec 2019** 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 Node.JS to implement AWS Lambda functions, and React Native and Javascript to implement front-end features such as buttons, forms, and headers.

**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

**The Smokers Problem** Academic Project  
**Mar 2019** CPSC 213: Intro to Computer Systems

- Implemented solution to the asynchronous smokers problem and handled multi-threading and mutexes using C and pthread library.

**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.