

EDUCATION

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

EXPERIENCE

Incoming Research Assistant UBC
Starting April 2020
 - Researching the applications and implications of AI in learning with Dongwook Yoon and Sid Fels at the University of British Columbia.

Full-Stack Developer Redbrick
Sept 2019 - Present
 - Styles and improves product websites and landing pages with CSS, SASS, HTML, and Javascript; refactored and reduced duplication in codebase, speeding up the landing page creation process by 50%.
 - Implements new features and bug fixes for desktop Windows app with WPF in C# and .NET, including full integration of Mixpanel for improved data collection.
 - Building 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
 - 3 terms of CPSC 110, 1 term of CPSC 210
 - 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.

VOLUNTEERING

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 - Present
 - Directs a team of 6 that organizes 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.

Incoming cmd-f Logistics Director nwPlus
Starting April 2020
 - Leading a team to organize Vancouver's first all-female* hackathon.

SKILLS

Languages	Technologies
Java	HTML / CSS
C/C++	Git
C#*	SQL*
Python*	Javascript*

* Currently acquiring

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
Jun 2019 - Present
 - Designed and created personal website with HTML, CSS, and Jekyll.

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 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.

