

EXPERIENCE

Undergraduate Research Assistant UBC April 2020 – Present

- Researching the user perception of AI in online learning with Profs. Dongwook Yoon and Sidney Fels at the University of British Columbia.
- Conducting literature survey, semi-structured interviews, qualitative data analysis, and paper drafting & writing.
- Working toward a co-first authorship contribution alongside Dr. Kyounghwon Seo for a paper submission to ACM CHI.

Full-Stack Developer Co-op 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.

AWARDS

Undergraduate Student Research Award NSERC April 2020

- Granted \$4,500 to support summer research project by the Natural Sciences and Engineering Research Council of Canada.

LEADERSHIP

cmd-f Logistics Director nwPlus April 2020 – Present

- 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, the largest 24-hour hackathon in the Pacific Northwest. nwHacks 2020 welcomed ~1000 hackers, volunteers, mentors/sponsors, and organizers.

EDUCATION

Bachelor of Arts Computer Science University of British Columbia

GPA: 4.20 / 4.33

Expected Graduation: May 2022

SKILLS

Languages

Java
C/C++
C#
Python*
R*

Technologies

HTML / CSS
Git
SQL*
Javascript*

* Currently acquiring

TECHNICAL PROJECTS

joicetang.com Personal Project Ongoing

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

cmd-f Applicant Updater Personal Project February 2020

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

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

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.