

Education

University of British Columbia

Expected Grad: 05/2022
GPA: 4.2 / 4.33

Bachelor of Arts in Computer Science

Dean's Honour List (2018, 2021). Received the Trek Excellence Scholarship 2021 (Top 5% in Faculty), Irving K. Barber Women in Technology Scholarship, and Visier Service Award in Computer Science.

Experience

Undergraduate Researcher

UWaterloo - HCI Lab
05/2021-Present

Advised by Prof. Edith Law. Studying how people understand, trust, and react to AI feedback when task criteria are ambiguous to the user.

- Led topic exploration, literature review and study design, as well as the creation of study materials
- Used Python and Django to build an experiment interface that utilizes a pre-trained machine learning model to detect participants' Chinese writing.

Undergraduate Researcher

UBC - D - Lab
04/2020-04/2021

Advised by Prof. Dongwook Yoon and Dr. Ning Ma. Studied boundaries of worker-customer power asymmetry and worker-centred design of gig work platforms.

- Leading topic exploration, literature review and study design.

Advised by Profs. Dongwook Yoon and Sidney Fels. Studied how AI systems impact student-instructor interaction in university education settings.

- Developed storyboards regarding human-AI interaction in educational settings.
- Conducted semi-structured interviews with university students and instructors.
- Coded and analyzed interview transcripts with thematic analysis.

Teaching Assistant

UBC - CS Dept.
09/2021-Present
09/2018-09/2019

CPSC 344 - Introduction to Human-Computer Interaction Methods (1 term)

- Co-instructing workshop section; guiding group projects and running design reviews.
- Managing and updating workshop materials and presenting workshop plans to the TA team.
- Assisting with the integration of ethics and justice -related content into the course curriculum.

Previously: CPSC 110 - Computation, Programs, and Programming (3 terms), CPSC 210 - Software Construction (1 term)

Full-Stack Developer Co-op

Redbrick
09/2019-04/2020

Innovative digital-marketing and technology company

- Implemented new features and bug fixes for desktop Windows app with WPF in C# and .NET.
- Built, styled, and refactored 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.

Leadership

cmd-f Logistics Director

04/2020-03/2021

British Columbia's first all-women hackathon to explore new technologies and celebrate women* in tech*

- Led a team of 5 to create events that support women and gender minorities in tech in the Greater Vancouver Area, including cmd-f, Vancouver's all-women hackathon.
- Spearheaded connect-f, a mentorship program to pair up young women in high school with university students to encourage them to consider pursuing tech.

Freedge for Fuel Communications

09/2021-Present

A mutual aid initiative addressing food insecurity at UBC Vancouver

- Planning, creating, and amplifying content about community fridge initiatives, food justice, and community resources.
- Surveying students on-campus to understand their needs surrounding food security.

Papers

Seo, K*, **Tang, J.***, Roll, I., Fels, S., & Yoon, D. (2021). The impact of artificial intelligence on learner-instructor interaction in online learning. *International Journal of Educational Technology in Higher Education*, 18(1), 1-23.

Tang, J., Ma, N. F., & Yoon, D. (2021). Understanding How Customers Attribute Accountability in Food Delivery Breakdowns. In *Joint Proceedings of the ACM IUI 2021 Workshops*.

[*] denotes equal contribution