

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.

- Leading 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
09/2018-08/2019

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 female and non-binary high school students with university students to encourage girls to consider pursuing tech.

CODE Student Representative
09/2018-Present

UBC's Committee for Outreach, Diversity and Equity (CODE)

- Providing a student perspective in weekly roundtable meetings led by UBC CODE, regarding diversity, equity, and inclusion.

Papers

Kyoungwon Seo*, **Joice Tang***, Ido Roll, Sidney Fels, Dongwook Yoon. The impact of artificial intelligence on learner-instructor interaction in online learning. Accepted in the International Journal of Educational Technology in Higher Education (ETHE), to be published Oct 2021. ([*] denotes equal contribution)

Joice Tang, Ning F. Ma, Dongwook Yoon. Understanding How Customers Attribute Accountability in Food Delivery Breakdowns. In Workshop on Transparency and Explanations in Smart Systems (TExSS) at IUI 2021.