

Joice Tang

Research Interests

Human-computer interaction, algorithmic fairness and accountability, future of work, co-design

Research Experience

Directed Studies UBC D-Lab

Aug 2020 – Present

Advised by Prof. Dongwook Yoon and Dr. Ning Ma

- Leading topic exploration and study design of thesis project surrounding fairness and accountability in gig work systems.

Research Assistant ViDeX / UBC D-Lab

Apr 2020 – Present

Advised by Prof. Sidney Fels and Prof. Dongwook Yoon

- 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.
- Co- first authoring with Prof. Kyoungwon Seo, to be submitted to Computers and Education.

Industry Experience

Full-Stack Developer Co-op Redbrick

Sept 2019 – Apr 2020

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

Teaching Experience

Undergraduate Teaching Assistant UBC

Sept 2018 – Aug 2019

- Effectively communicated computer science concepts (eg. systematic program design, recursion, OOP) to students with limited programming experience.
- Taught weekly labs, graded assignments and exams.

Contact

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<http://joicetang.com>

Education

Bachelor of Arts Computer Science

University of British Columbia
Sept 2017 – Present

Cumulative GPA: 4.1 / 4.33

Expected Graduation: May 2022

Awards

Women in Technology Scholarship

Irving K. Barber BC
Scholarship Society

Sept 2020 \$10,000

Undergraduate Student Research Award Natural Sciences and Engineering Research Council

Apr 2020 \$4500

Technical Skills

Javascript/Typescript, HTML/CSS,
Java, Python, Git & Github

Research Skills

Interviewing & Interview Design,
Storyboard Design, Qualitative
Analysis (Thematic Analysis,
Affinity Diagramming), Literature
Review, Cognitive Walkthrough

Leadership

cmd-f Logistics Director

Apr 2020 – Present

Managing a team of 4 to organize
a student mentorship program,
technical/career development
workshops, and Vancouver's
biggest all-women hackathon.

CUCSC Co-Chair

Nov 2019 – Present

Co-leading a team of 11 for a
conference focused on
celebrating diversity and
undergraduate research in
Computer Science.