Joice Tang

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Research Interests

Human-computer interaction, participatory design, algorithmic fairness, human-centred artificial intelligence, DEI (diversity, equity and inclusion), future of work

Education

University of British Columbia   *Vancouver, BC*
B.A. IN COMPUTER SCIENCE   *Sept 2017 - Present*
- Overall GPA: 4.2 / 4.33
- Expected Graduation: May 2022

Research Experience

UBC D-Lab   *Vancouver, BC*
DIRECTED STUDIES   *Aug 2020 - Present*
- Supervised by Prof. Dongwook Yoon and Dr. Ning Ma.

ViDeX / UBC D-Lab   *Vancouver, BC*
RESEARCH ASSISTANT   *Apr 2020 - Present*
- Researching user perception of AI in online learning alongside Dr. Kyoungwon Seo.
- Conducting literature survey, semi-structured participant interviews, qualitative data analysis, and paper writing.
- Supervised by Prof. Sidney Fels and Prof. Dongwook Yoon.

Industry Experience

Redbrick   *Victoria, BC*
FULL-STACK DEVELOPER CO-OP   *Sept 2019 - Apr 2020*
- 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.

Teaching Experience

CPSC 210: Software Construction, UBC   *Vancouver, BC*
TEACHING ASSISTANT   *Jul 2019 - Aug 2019*
- Effectively communicated computer science concepts such as object-oriented programming, test-driven development, introductory data structures, and debugging.
- Guided students individually to create a personal Java desktop app project.
- Prepared weekly labs, graded assignments and exams.

CPSC 110: Computation, Programs, and Programming, UBC   *Vancouver, BC*
TEACHING ASSISTANT   *Sept 2018 - Jun 2019*
- Effectively communicated computer science concepts such as systematic program design, recursion, and search algorithms to students with limited programming experience.
- Prepared weekly labs, graded assignments and exams, and held office hours.

Honors & Awards

AWARDS

2020	**Undergraduate Student Research Award ($4500)**,	Natural Sciences and Engineering Research Council
2019	**Most Popular Vote Award (3rd place)**,	Hacking for Humanity
2017	**BC Achievement Scholarship (Top 8000 Students)**,	Province of British Columbia

DISTINCTIONS

Technical Skills

Java, HTML/CSS, Git, Javascript, Python, C#

Leadership

nwPlus UBC

CMD-F LOGISTICS DIRECTOR   *Apr 2020 - Present*

- Managing a team of 4 to organize a student mentorship program, technical and career development-based workshops, and Vancouver's biggest all-women hackathon.
- Spearheading the creation of connect-f, a mentorship program that pairs female and non-binary high school students with university students to encourage young students to learn about computer science and technology.

Canadian Undergraduate Computer Science Conference

CO-CHAIR   *Nov 2019 - Present*

- Co-leading a team of 16 for the Canadian Undergraduate Computer Science Conference, a conference focused on celebrating diversity and undergraduate research in computer science.

nwPlus UBC

NWHACKS LOGISTICS DIRECTOR   *Apr 2019 - Mar 2020*

- Directed a team of 6 to organize the logistical aspects of nwHacks, the largest 24-hour hackathon in the Pacific Northwest. nwHacks 2020 welcomed 1000 hackers, volunteers, mentors/sponsors, and organizers.