XIYUE ZHANG

xiyuej.zhang@mail.utoronto.ca │ linkedin.com/in/xiyue-jasmine-zhang

Coding: Python, C, Java, SQL
Hobbies: Musical Theatre, Piano, Tennis

WORK EXPERIENCE

Software Developer Intern   May 2022 – May 2023
IBM · ZDevOps Service Designer Team   Toronto, Canada
- Enhanced user experience of Service Designer by adding new home page features
- Reduced manual web testing by creating a **Cypress suite of e2e tests**
- Worked within agile software practices and obtained **SAFe 5 Practitioner certification**

Undergraduate Researcher   May 2021 – Aug 2021
FORCOLAB · Hardware–Software Collaboration   Toronto, Canada
- Awarded NSERC USRA funding for summer research
- Helped author paper "In the Age of Collaboration, the Computer–Aided Design Ecosystem is Behind: An Interview Study of Distributed CAD Practice" accepted into CSCW 2023

PROJECTS

Reducing Gender Bias in NLP by Modifying the Optimization Objective   Fall 2022
Group Research Project · CSC2559: Trustworthy Machine Learning · poster
- Achieved >8 times more **indirect gender debiasing** compared to previous techniques
- **Replicated debiasing techniques and measurements** from published papers using **PyTorch**

Censorship and Machine Learning   Spring 2021
Engineers Without Borders
- Implemented **similarity metrics** on lists of censored words in Chinese social media
- **Tuned hyperparameters** on linear models labeling censored words as political vs. apolitical and obtained a maximum validation accuracy of 89%.

EXTRACURRICULAR

Founder/President   May 2021 – present
Ethical Principles in AI Team (https://ethical-principles-in-ai.github.io/)
- Founded and **affiliated a new club** with University of Toronto, obtaining funding for technical projects for 75+ registered club members and monthly events featuring guest speakers
- Launched an **ethical AI hackathon**, AIHacks4good, obtaining affiliation with Major League Hacking (MLH) and 250+ registrants (https://aihacks4good.github.io/)

EDUCATION

University of Toronto, Bachelor of Engineering Science   Sep 2019 – Apr 2024
Major in Machine Intelligence, Minor in Engineering Business
- Awards: Entrance Scholarship (2019), Dean's Honour List (Winter 2021), Troost ILead Summer Fellowship (2022)