Zhi Ying Sun

✉ sophyzy.sun@mail.utoronto.ca   ↖ sophysun.me   in linkedin.com/in/sophysun   ○ https://github.com/ZhiYingSun

Education

University of Toronto   Sep 2019 — Apr 2023
Bachelor of Science, Computer Science, minor in Writing and Rhetorics   Toronto, ON, Canada
- **GPA**: 3.82/4.0
- **Relevant Coursework**: Object-Oriented Programming, Discrete Mathematics, Linear Algebra,
  Cryptology, Philosophy, Software Design, Theory of Computation

Technical Skills

Programming Languages: Python, Java, C#, Visual Basic, HTML, CSS, JavaScript
Software & Tools: Git, Django, LaTeX, React, Vue.js, Jira, Jenkins, BitBucket, Cypress

Professional Experience

Software Engineer Intern, *PointClickCare* ⧉   Jan 2021 — present

Research Assistant, *Intelligent Adaptive Interventions Research Group* ⧉   Apr 2020 — Sep 2020
- Piloted replication project of a CHI paper; performed data analysis in **Python (numpy,**   Toronto, Canada
  matplotlib, pandas) to analyze simulated data of 500 student participants
- Conducted survey coding for over 1200+ surveys responses to understand student motivation
  in an introductory computer science course; completed literature review for two papers for the
  CHI and SIGCSE conference
- Led **project management** for a diverse team of faculty members, and researchers;
  Implemented time-focused meeting agendas and asynchronous workflow to adapt to video
  conferencing

Software Engineer, *Moniitree Technologies Inc*   May 2020 — Jul 2020
- Accelerated the vision of the founders and bought it closer to a MVP in 2 months by reaching   Toronto, Canada
  out to different product partners, iterate through over 20 pages of prototype quickly, and
  program 40% of the frontend for the investor-side application
- Worked along side backend developer to integrate the investor-side frontend with the Flask
  backend framework, sped up the integration process by introducing peer-coding and agile
  practices

Projects

Hypatia Student Summary, *Hypatia Systems Project* ⧉   Sep 2020
- Led sprints with a team of 5 to create and implement clean software design (Clean Architecture
  + SOLID principles) for the industry partner, Hypatia Systems
- Built using **Python**, **Django**, **Django REST**, **SQLite**, **React, Redux, Webpack, Babel**;
  Configured Python Server and **websockets** to communicate with Hypatia **CheckMath API**

Organisations

TOHacks, *Front-End Developer* ⧉
TOHacks aims to connect talented youth entrepreneurs, leaders and innovators with the top industry professionals in rising
fields of new technologies.

Technology Leadership Initiative ⧉
Top 25 students admitted to the 2020 Technology Leadership Initiative based on curiosity, grit, agility, and academic merit.

Research Opportunity Program, *Undergraduate Student Researcher* ⧉
1 of 3 second-year students selected to be a part of the Research Opportunity Program titled "Enhancing & Personalizing
Technology by integrating Human-Computer Interaction, Psychology, & Statistical Machine Learning".

UT Coffee N' Code, *Co-President*
Co-founded an organization within the University of Toronto dedicated to connecting students interested in coding from
different disciplines and skill-levels together to learn and collaborate.

Rewriting the Code, *Fellow* ⧉
Accepted as a fellow into an online community of college women in technology and engineering