Yuanyi (Leo) Liu

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SKILLS

- **Programming Languages:** Python, Java, C, R, HTML, CSS, JavaScript, SQL.
- **Tools & Framework:** Spring Framework, Django, NumPy, Scikit-learn, Maven, React.js, Git, Node.js, MySQL, MongoDB.

EDUCATION

University of Toronto (Year 3 --- Available on April 30th 2024 for 8-16 months internship)   Toronto, Canada

Computer Science Specialist and Statistical Sciences Major │ CGPA 3.9/4.0   **09/2021 – 06/2025**

Arts & Science Internship Program (**ASIP**)

Relevant Projects:

- **FOODQEE (Software Design):**
  - Developed a food delivery platform using pure **Java**, after identifying an issue among current students.
  - Collaborated with a large team with git and **GitHub**, using GitHub actions to setup automated testing.
  - Strictly abided by **clean architecture**, to successfully decouple code and make feature implementations independent.
  - Implemented application UI using **Java swing**, taking advantage of various layout types to create an application interface.
- **Breakout (Computer Organization):**
  - Implemented a breakout game using **MIPS assembly language**.
  - Added additional features such as sound, animation, velocity, by utilizing various register types and system calls.
  - Persevered by learning assembly programming language from scratch and applying the knowledge to the implementation of breakout game.

EXPERIENCES

Backend Developer - Accenture   **05/2023 – 09/2023**

- Developed the web backend for **Siemens Xcelerator Website**, using a stack comprising Spring, Spring Boot, Spring Cloud, MyBatis, MySQL, and Vue.js.
- Collaborated with cross-functional teams to understand requirements and translate them into scalable backend solutions.
- Used SpringBoot for efficient deployment of backend services, implementing scalable distributed systems with **SpringCloud**.
- Developed, and maintained robust backend **APIs**, **microservices**, and server-side components using the Spring framework.
- Utilized MyBatis to interact with the MySQL database, ensuring optimal performance and data integrity.

Co-Founder - Mentorverse   **01/2023 – Present**

- Co-founded an online platform powered by Ruby on Rails to provide accessible and collaborative mentorships to everyone.
- Led a cross-functional team of 5 members and efficiently managed all the phases of the software development life cycle.
- Employed microservices architecture and distributed systems for improved scalability, maintainability, cost-effectiveness, and faster time-to-market.

Community Representative - APACHE APISIX   **11/2022 – Present**

- Organized tech summit with **5+** organizations, including UofT CS department, for **100+** participants and diverse speakers.
- Coordinated **web3** and **open-source** networking events with a group, led marketing efforts, and invited industry speakers.
- Fostered cross-functional collaboration, fostering tech community engagement with students and alumni.

PROJECTS

Mobile Business Card   **08/2022 – 09/2022**

- Developed an **iOS software in Swift** that allows users to share and store data by shaking their phones together.
- Created an authorization system and an email verification system that uses a universal link to retrieve the verification token.
- Migrated from **SQL** to **MongoDB** for storing user data and process images.
- Developed an algorithm that manages host sessions and invitations to exchange data via **MultipeerConnectivity** automatically.

Business Website for SoftTrak Inc.   **08/2022 – Present**

- Used **HTML**, **CSS**, and **JavaScript** to create an interactive and UI/UX optimized business website.
- Developed a **PHP script** that automatically sends the user form data to the admin email in the background with **AJAX**.

HONORS

- Certificates of Distinction in Mathematics Contests held by University of Waterloo (CIMC/CSMC).
- School Champions in the Carley and Fermat Contests.
- **Dean's List Scholar**.
- Gained a $7500 Entrance Scholarship at the University of Toronto in 2021.