

Shiyu Li

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TECHNICAL SKILLS

Languages: TypeScript, Tailwind CSS, C++, Java, Python, C, JavaScript, HTML

Frameworks/Libraries: React, Node.js, Flask, JUnit, Jest, Bootstrap

Developer Tools: Git, VS Code, IntelliJ

Database: MySQL, SQLite

UI/UX Tools: Figma

EDUCATION

Bachelor of Computer Science

University of British Columbia

Current – Dec 2025

Vancouver, BC

Bachelor of Science, Pharmacy

University of British Columbia

Sept. 2010 – May 2016

Vancouver, BC

PROJECTS

🔗 **UBC Robo Science Advising** | *React, JavaScript, Tailwind CSS, Python, Flask*

Nov. 2023

- In a team of 4, built an app that scraped information from UBC science advising web pages, fed into a ChatGPT instance and answer question with **30% more accuracy and specificity to UBC than ChatGPT**.
- Designed the front-end using **Figma** and implemented it using **React, JavaScript** and **Tailwind CSS**
- Established front-end and back-end connection between **React** and **Flask** with React's Fetch API

🔗 **EasyDose** | *React, Jest, TypeScript, CSS*

Dec. 2022 – June 2023

- During children's fever medication shortages, leveraged pharmaceutical experience to build an app that calculates children's dosage of Tylenol or Advil from partial adult tablets based on a child's weight
- Ran application at workplace to quickly calculate doses for an average of **5 consultations a day** during shortage
- Utilized **React** to develop front-end user-interface, models and calculations implemented using **TypeScript**

🔗 **MyMeds** | *Java, JUnit*

Jan. 2023 – Apr. 2023

- Built a **Java** application to easily manage multiple patient's medications and conditions so that they can quickly record and access medical information. Models designed by applying concepts of **object-oriented-programming**
- Developed a set of tests with **100% test coverage** using **JUnit** to thoroughly test correctness of all models

🔗 **Event-Tracker** | *Python, Flask, SQL, JavaScript, HTML, CSS*

Jan. 2022 – Mar. 2022

- Developed a full-stack journal type application that allows the user to input an important event and display it as a list of upcoming events at the user's request by using **HTML** and **CSS** as front-end and **Flask** as back-end
- Implemented persistence by adding server-side session and enabled functions such as login, logout and register using **Flask's Session**, user's username and password are then stored in a **SQL** database along with an unique user id

WORK EXPERIENCE

Pharmacist

London Drugs

Aug. 2016 – Present

Surrey, BC

- Communicated with other healthcare professionals to resolve and discuss drug-related issues
- Introducing a system to sort and prioritize prescriptions, reducing unnecessary workload during pandemic

VOLUNTEERING EXPERIENCE

Student Developer

Computer Science Student Society at University of British Columbia

Nov. 2023 – Present

Vancouver, BC

- Currently leading the front-end team of 5 to design the UI/UX for an inventory management system for the Cube, CSSS's lounge to manage snacks and merchandise sales as well as locker rentals using **Figma**
- Developed style guide, delegated tasks to team members and oversaw design process
- Plans front-end team meetings to gather team opinions, discuss design decisions and communicates with back-end regarding engineering decisions

Internal Officer

Computer Science Student Society at University of British Columbia

Sept. 2023 – Present

Vancouver, BC

- Facilitates and maintains a welcoming and vibrant atmosphere for all students in the CSSS lounge