

Shiyu Li

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EDUCATION

Bachelor of Computer Science

University of British Columbia

Jul. 2023 – Present

Vancouver, BC

Bachelor of Science, Pharmacy

University of British Columbia

Sept. 2010 – May 2016

Vancouver, BC

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 implement the front-end of an inventory management system for the computer science student lounge at UBC using **React**, **TypeScript** and **Tailwind CSS**
- Developed style guide, delegated tasks to team members and completed initial prototype design using **Figma**

PROJECTS

🔗 UBC Robo Science Advising | *React, JavaScript, Tailwind CSS, Flask, REST API, Postman*

Nov. 2023

- Collaborated with 3 other teammates to build an interactive, AI-driven chat-bot that answers user's questions about UBC's science programs
- Designed the front-end using **Figma** and implemented it using **React**, **JavaScript** and **Tailwind CSS**
- Tested backend API connections using **Postman** before integrating with front-end

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

Dec. 2022 – Jun. 2023

- Built a calculator in response to children's fever medication shortages to allow children's Tylenol and Advil doses to be precisely derived by intelligently splitting adult tablets
- Performed calculations at pharmacy workplace for an average of **5 consultations a day** during shortage
- Utilized **React** to develop front-end user-interface, models and calculations implemented using **TypeScript**
- Committed to **test-driven-development** principles by implementing a comprehensive test suite using **Jest** and rigorously covering children from ages 0-12 and different weight ranges

🔗 MyMeds | *Java, JUnit*

Jan. 2023 – Apr. 2023

- Built a **Java** application for users to add and keep track of their medications 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
- Encapsulated project architecture in a **UML diagram** outlining relationships between components

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

Jan. 2022 – Mar. 2022

- Developed a full-stack journal application using **HTML** and **CSS** as front-end and **Flask** as back-end
- Established **server-side rendering** using Flask and **Jinja** to render HTML templates
- Implemented persistence by adding server-side session and enabled functions such as login, logout and register
- Designed a database using **SQLite** storing login information (username, hashed password) and event info in separate tables to reduce functional dependencies

WORK EXPERIENCE

Pharmacist

London Drugs

Aug. 2016 – Present

Surrey, BC

- Mentored **3-4 pharmacy students each year** and trained new pharmacists and pharmacy assistants
- Introduced a system to sort and prioritize prescriptions, reducing unnecessary workload during pandemic, successfully **reducing prescription workload by 10%**

TECHNICAL SKILLS

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

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

Developer Tools: Git, VS Code, IntelliJ

Database: MySQL, SQLite

UI/UX Tools: Figma