Shiyu Li

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EDUCATION

Bachelor of Computer Science   Present – May 2025
University of British Columbia   *Vancouver, BC*
- **Relevant courses taken:** Software Construction; Computer Systems and Architecture; Algorithms and Data Structures; Software Engineering; Computer Networking; Computer Hardware and Operating Systems

PROJECTS

⦿ DreamLand - UBC cmd-f 2024 Winner | *React Native, JavaScript, Firebase, CSS, REST-API*   Mar. 2024
- Worked in a team of 4 to develop an AI-powered, interactive children's story generating **mobile-app** in 24 hours, winning **first place in track** and **second place for Best Use of Cohere's API**
- Engineered prompts to **OpenAI DALL-E** and **Cohere**'s API, improving relevance and usability of responses
- Designed and rendered main components and integrated API calls using **React Native**, **JavaScript** and **CSS**

⦿ YummyBara - UBC BCS Hacks 2024 Winner | *React Native, Firebase, Machine Learning*   Mar. 2024
- Developed a mobile app that enables users to track their caloric intake through photo recognition
- Integrated **Google Vertex**'s APIs for model training, enhancing accuracy of food recognition
- Designed and implemented an accessible, color-blind safe user interface using **React Native** and **CSS**

⦿ UBC Robo Science Advising | *React, JavaScript, Tailwind CSS, Flask, REST API, Postman*   Nov. 2023
- Collaborated with 3 other teammates to build a chat-bot that answers user's questions about UBC's 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, preventing integration issues

⦿ MyMeds | *Java, JUnit*   Jan. 2023 – Apr. 2023
- Built an application for users to track their medications 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

EXTRACURRICULARS

Vice-President, Internal   May 2024 – Present
Computer Science Student Society at University of British Columbia   *Vancouver, BC*
- Leading the internal team to provide online and in-person community spaces to foster a welcoming, inclusive environment for over 2800 club members and guests
- Oversee purchase, sale and storage of food and beverages as well as locker rentals

Student Developer   Feb 2024 – Present
Computer Science Student Society at University of British Columbia   *Vancouver, BC*
- Leading a team of 5 to implement the frontend of an inventory management system to support 2800+ students in transactions utilizing **Agile methodologies**
- Finished rendering main components with **React**, **TypeScript** and **Tailwind CSS**
- Developed style guide for team and successfully completed a responsive and user-friendly UI design using **Figma**

WORK EXPERIENCE

Pharmacist   Aug. 2016 – Present
London Drugs   *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, Java, TypeScript, C++, Python, C, HTML, CSS, Tailwind CSS
Frameworks/Libraries: React, Node.js, React Native, Spring Boot, Express.js, Flask, JUnit, Jest, Bootstrap, Postman
Developer Tools: Git, VS Code, IntelliJ, Firebase, Linux, Bash Scripting
Database: MySQL, SQLite
Other Tools: Figma, Microsoft Word, Microsoft Excel, Tableau, Microsoft Power BI