Shiyu Li

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EDUCATION

Bachelor of Computer Science Present – May 2026

University of British Columbia | GPA: 3.9 *Vancouver, BC*

- **Relevant courses taken:** Software Construction; Computer Systems and Architecture; Algorithms and Data Structures; Software Engineering; Computer Networking; Computer Hardware and Operating Systems

WORK EXPERIENCE

SAP Jun. 2024 – Present

Software Developer Intern *Vancouver, BC*

- Streamlined codebase and enhanced system stability by refactoring code written in **JavaScript** and **TypeScript** and systematically removing outdated feature toggles across multiple modules, reducing technical debt
- Resolved 20+ critical mobile-related bug tickets within the **React** rendered stack of the SAC iOS app
- Wrote, refactored and executed test suites written in **Java** using **Appium** within **Maven** built environment, resulting in significant reduction in manual testing

London Drugs Aug. 2016 – Present

Pharmacist *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%**

PROJECTS

ⓖ gOOpy | *Express.js, MongoDB, Node.js, React, Three.js, Tailwind CSS* Jun. 2024 - Present

- Built a 3D modelling application allowing users to create custom models via a ray marching algorithm
- Implemented RESTful APIs using **Express.js** to manage and access scenes and user information
- Designed a **NoSQL MongoDB** database to store scene and user info
- Implemented login and user session using **OAuth 2.0**

ⓖ 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**

EXTRACURRICULARS

UBC Computer Science Student Society May 2024 – Present

Vice-President, Internal *Vancouver, BC*

- Leading the internal team of over 10 people, providing 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

TECHNICAL SKILLS

Languages: JavaScript, Java, TypeScript, Python, C++, 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, MongoDB
Other Tools: Figma, Microsoft Word, Microsoft Excel, Tableau, Microsoft Power BI