

# Stephanie Xue

Bachelor of Computer Science (BCS) – Year 4

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## EDUCATION

**Bachelor of Computer Science (BCS)**, University of British Columbia

Sep 2024 – May 2027

**Doctor of Pharmacy (PharmD)**, University of British Columbia

Sep 2018 – Apr 2022

## TECHNICAL WORK EXPERIENCE

### Kardium – Medical Device Software Developer Intern

Sept 2025 – Present

- Collaborating with a cross functional team to build UI tools and automated test suites using Java, Gradle, Bitbucket, and TeamCity, streamlining feature development for the Globe Pulsed Field System, an innovative medical technology designed to treat atrial fibrillation through high-definition cardiac mapping and atrial ablation
- Developing a configuration management tool that parses and analyzes thousands of source code files across multiple Gradle modules, using static analysis and symbol solving to extract, interpret, and manage complex configuration data
- Building an interactive interface supporting real time configuration modifications with integrated type checking and validation, improving the efficiency of cross-team software design and development workflows
- Leveraging multithreading to parallelize parsing operations and implementing caching mechanisms to optimize data retrieval, eliminate redundant computations, and improve load times by over 83%

## TECHNICAL PROJECTS

### Personal Portfolio Website (Personal) | Github | Link

Aug 2024 – Present

- Crafting a responsive portfolio website from scratch using React, Vite, JavaScript, HTML5, and CSS3 to showcase personal projects, professional experiences, and digital art, deployed on Netlify for cloud hosting
- Implementing interactive UI components by developing a dark/light mode toggle that dynamically switches themes using React state management and conditional CSS rendering, as well as randomized image galleries and project carousels integrating React state and props with custom array shuffling logic for real-time content updates

### Primary Care Clinic Application (Academic) | Github

Jan 2025 – Apr 2025

- Developed an electronic health record (EHR) application using Java and Java Swing, applying OOP principles to optimize patient management with dual interface options (CLI and GUI) for enhanced user flexibility
- Implemented data persistence using JSON to ensure reliable state management and wrote comprehensive JUnit tests

### TriageMate (BCS Hackathon) | Github | Devpost

Mar 2025

- Built a full-stack mobile application in a 24-hour hackathon to streamline hospital triage through AI-driven symptom reporting, using React Native, Expo, TypeScript, JavaScript, Node, Express, MongoDB, and Google Gemini Flash 2.0 AI API
- Developed a clean and intuitive UI tested with Expo Go, and utilized effective AI prompt engineering to generate structured, clinically relevant JSON outputs for appropriate symptom analysis and triage risk assessment

### Mentra (cmd-f Hackathon) | Github | Devpost | Link

Mar 2025

- Created a full-stack AI-powered mental wellness journal chatbot web application in a 24-hour hackathon, using Django, Python, SQLite, JavaScript, HTML5, CSS3, and Google Gemini Flash 2.0 AI API to deliver personalized user responses
- Led full-stack development, implementing user authentication, database management, and secure API integration with environment variable handling to ensure data protection and secure deployment on Render

### Tenzies Game (Personal) | Github | Link

Jul 2024 – Aug 2024

- Developed a dice game using React, Vite, JavaScript, HTML5, CSS3, and Netlify with a live timer and high-score tracker; used state management, React hooks (useState, useEffect) for game logic, and setInterval for real-time responsiveness

## TECHNICAL SKILLS

- **Programming:** Java, Python, C++, C, JavaScript, TypeScript, HTML5, CSS3
- **Frameworks & Tools:** React, React Native, Vite, Expo Go, Django, Flask, Bootstrap4, Java Swing, Gradle, JUnit Jupiter, Unit Testing, OOP, Data Structures & Algorithms, RESTful APIs, Multithreading, Agile Development, Git, GitHub, Bitbucket, TeamCity, VS Code, IntelliJ IDEA, Bash/Shell, Netlify, Render, Figma, Canva, Adobe Photoshop, Procreate

## OTHER WORK EXPERIENCE

### Shoppers Drug Mart, & Prev. Medical Centre Prescriptions – Pharmacist (Casual)

Jul 2022 – Present

- Delivering individualized clinical consultations, medication review services, and vaccinations, applying strong critical thinking and problem-solving skills to help optimize patient outcomes and resolve complex drug therapy problems

## ACADEMIC AWARDS & SCHOLARSHIPS

*Dean's Honours List* (Sep 2016 – Present) | *Trek Excellence Scholarship* (top 5% of undergraduate year) (Sep 2018 – Apr 2021)