Stephanie Xue

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EDUCATION

Bachelor of Computer Science (Fourth Year), 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 cross functional teams to build tools and automated test suites using Java, Gradle, JUnit, Bitbucket, and TeamCity, streamlining feature development for the Globe Pulsed Field System, an advanced medical technology designed to treat atrial fibrillation through high-definition cardiac mapping, pulmonary vein isolation, and atrial ablation
- Developing a configuration management tool that parses a large-scale multi-module Gradle codebase, leverage static analysis and symbol solving to successfully extract, interpret, and classify 98.6% of required configuration data
- Building an interactive interface supporting real time configuration modifications with integrated type checking and validation logic, reducing configuration lookup time to seconds and reducing manual configuration errors by 95%
- Leveraging multithreading to parallelize parsing operations and implementing caching mechanisms to optimize data retrieval, eliminate redundant computations, and improve end-to-end load times by over 83%
- Implementing Gradle (Kotlin DSL) and Launch4j (XML) configurations to build and package JAR and Windows executable artifacts into installers within a TeamCity CI pipeline, with Windows batch scripts to automate execution

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 |å 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

- **Languages:** Java, Python, C++, C, JavaScript, TypeScript, XML, HTML5, CSS3
- **Technologies & Tools:** React, React Native, Vite, Expo Go, Django, Flask, Bootstrap4, Java Swing, Gradle, Launch4j, JUnit, Unit Testing, RESTful APIs, OOP, Data Structures & Algorithms, Multithreading, Agile Development, Git, GitHub, Bitbucket, TeamCity, VS Code, IntelliJ IDEA, Bash/Shell, Windows Batch, Netlify, Render, Figma, Canva, Procreate

OTHER WORK EXPERIENCE

Shoppers Drug Mart & Previously Medical Centre Prescriptions – Pharmacist   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)