Jasmine Sun

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EDUCATION

University of Waterloo • Systems Design Engineering (BASc)   *2020 – 2025*
Relevant courses: Data Structures and Algorithms (C++), Digital Computation (C++)
Culmative GPA: 3.9 (87%)

EXPERIENCE

Xero • Software Engineering Intern   *May 2022 – Aug 2022*
- Created a system in **C# .NET** to enable **3 million+** users to convert various bank statement PDFs to CSV with one click
- Leveraged OCR and wrote **2k+** lines of extractor logic to increase bank statement type extraction success by **65%**
- Wrote **40+** unit and integration tests using Moq and NUnit to deploy through **TeamCity** and ensure **100%** test coverage
- Saved **10** developer-hours per week by building a New Relic dashboard in NRQL that detect user issues in production
- Used **Docker** and **AWS** to create containers and images for cloud application deployments
- Extended Xero's API to include exception handling for cryptographic errors and Redis dependency exceptions

Rich Media • Web and Mobile Developer   *Sep 2021 – Dec 2021*
- Acted as the point of contact for projects to create webpages with automated financial calculators for Canadian banks
- Built AODA/WCAG 2.0 compliant marketing landing pages in **JavaScript**, generating **$100,000** in revenue
- Fixed **100+** critical bugs in **JavaScript/TypeScript** and **Angular** codebase that affected **10,000+** users
- Wrote component libraries in **JavaScript** to improve usability and screen reading capabilities across all applications
- Integrated **JUnit** testing and input validation checks to improve test coverage by more than **40%**

Ritual • Test Automation Engineer   *Jan 2021 – Apr 2021*
- Led QA efforts for user-facing projects, and tested server endpoints using **BigQuery** and **MySQL**
- Implemented **50%** of Android automated test cases in **Kotlin**, **Appium**, and **Espresso** for the build sanity suite
- Caught **150+** bugs that would have impacted **1 million+** users by enhancing test coverage
- Created TestRail test plans for **10** projects and reviewed them with key stakeholders

PROJECTS

Themeify ○   *Dec 2021*
- Built a web application allowing users to search the **70 million** songs from the Spotify API and play them with lyrics on-screen
- Utilized **React** hooks for state management of search results and songs, and **Bootstrap** to customize the UI
- Created HTTP requests for token-based authentication and displayed relevant **JSON** data using **Axios**

Pokédex ○   *Jan 2022*
- Developed a web application using the **REST** PokéAPI to streamline aggregating Pokémon information, allowing users to search for and interact with their Pokémon game data
- Implemented front-end using **React** for state management of Pokémon data and pagination
- Leveraged PokéAPI using **Axios** to gather Pokémon data and manage async web queries

SKILLS

Languages: JavaScript/TypeScript, Java, Python, C++, C#, HTML, Kotlin, SQL
Framework/Libraries: React, Angular, .NET, JUnit, Moq, Bootstrap, Espresso, Appium
Tools: Docker, New Relic, Sumo Logic, AWS, Node.js, Jenkins, TeamCity, Google Cloud Platform, MySQL, Android SDK