Daniel Jiang

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Skills

Languages:	Java, C++, C, JavaScript/TypeScript, HTML, CSS, Python, R
Frameworks/Tools:	Spring Boot, Angular, Eclipse, Visual Studio, Emscripten, WebAssembly, Android Studio, IntelliJ, Git, Selenium, RMarkdown

Experience

Software Developer   **January 2021 − April 2021**

Fundserv Inc. *(Toronto)*

- Analyzed existing full-stack software services (Spring Boot microservice backend, Angular frontend), then identified and implemented improvements to remove dependencies between the backend microservices and the frontend
- Fixed bugs and wrote unit tests and integration tests for Spring Boot microservices

Web/Mobile Applications Test Associate   **May 2019 − August 2019**

FLIR Systems *(Waterloo)*

- Designed and implemented automated tests with Cucumber, Java, and Selenium
- Introduced virtualization facilitate testing in Windows and Linux environments
- Performed manual testing, issue reporting and bug-fix verification

Projects

WaveformPlayer *(C++, Javascript, Emscripten)*   **December 2019 − September 2020**

- Designed and implemented a terminal-based C++ application for playing WAV files and displaying a spectrum visualization
- Used Emscripten to create a Javascript/WebAssembly port of the application to create a demo that runs in-browser

Vim Text Editor Clone *(C++)*   **December 2019**

- Designed and implemented a simplified version of the Vim text editor for the final project of CS246E (Object-Oriented Programming Enriched) course
- Utilized various design patterns and OOP practices, and the NCurses library

YouTube Video Downloader *(HTML/CSS/JavaScript, Heroku)*   **March 2019 − July 2019**

- Implemented a web-based application to get direct download links for Youtube videos of various media formats

To-do List Application *(Java, XML, Android Studio)*   **January 2018 − June 2018**

- Designed and implemented a to-do list app using *Java* and *XML* with *Android Studio* that can be used to keep track of due dates, take notes, and track history

Education

Bachelor of Mathematics | *University of Waterloo*   **(Expected 2023)**

Major in Computer Science, Major in Combinatorics and Optimization, Minor in Statistics