

Daniel Jiang

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<https://djiang9001.github.io> | <https://github.com/djiang9001> | <https://www.linkedin.com/in/djiang9001>

Skills

Languages: C++, C, Java, HTML, CSS, JavaScript, Python, Cucumber, Racket
Frameworks/Tools: Selenium, Git, Visual Studio, IntelliJ, Eclipse, Android Studio, Maven, VirtualBox, Heroku, XML, YAML, Linux, Windows, PortAudio, NCurses

Projects

WAV File Reader/Player (C++) December 2019 – Present

- Currently developing a desktop application for reading, playing, and displaying information for WAV audio files
- Implemented decoupled modules for parsing, playing, and displaying WAV files
- Used open-source libraries PortAudio and NCurses

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

Experience

Web/Mobile Applications Test Associate May 2019 – August 2019

FLIR Systems (Waterloo)

- Designed and implemented automated tests with Cucumber, Java, and Selenium with the IntelliJ IDE to improve efficiency in the software verification process
- Introduced virtualization to the tech stack with VirtualBox to allow manual and automated tests to be easily performed in different environments (Linux, Windows)
- Performed manual testing, issue reporting and verification in preparation for product release for web and mobile (iOS, Android) applications
- Worked closely with developers in an Agile work environment to ensure features and bug fixes were verified before release

Education

Bachelor of Computer Science | University of Waterloo

(Expected 2023)