Daniel Jiang

danieljng2005@gmail.com

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   **July 2019 – August 2019**
FLIR Systems (Waterloo)
- Designed and implemented automated tests with Cucumber, Java, and Selenium with the IntellliJ 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)**