RICK LIU

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SKILLS

Languages: Python, Java, C, C++, HTML, CSS, JavaScript, SQL

Technologies: React, Node.js, MySQL, Selenium, libGDX, Bash, Git

PROJECTS

AnimeList Duel   **HTML, CSS, React, Node.js, MySQL**

Website that Compares Stats of Anime Watchers   *Nov 2020 – Jan 2021*

- Designed a frontend website with modular components using HTML, CSS and React
- Used responsive design to display and compare statistics side-by-side for two requested users
- Developed a Node.js backend that scrapes external websites for data on requested users
- Connected a MySQL database that stores scraped data to increase the speed of future queries

CamWow   **Python, Selenium**

Gesture-Based Computer Automation   *Sep 2020 – Dec 2020*

- Created a program with Python and OpenCV that runs user-defined tasks based on hand gestures
- Used Git version control to develop and integrate code in a team of five
- Implemented client-server socket communication between computers and a Raspberry Pi
- Added the ability to customize gestures and tasks and save them in persistent files
- Developed a GUI using Tkinter to streamline the customization process
- Assisted in automating website navigation and login using Selenium

SoluteTaire   **Java, libGDX**

Java-Based Solitaire Clone   *Nov 2019 – Jan 2020*

- Implemented a clone of the game Solitaire in Java with object-oriented design
- Utilized the libGDX game framework to develop the game loop and graphics

EDUCATION

University of Waterloo   **Waterloo, Ontario**

Candidate for Bachelor of Software Engineering   *Sep 2020 – Apr 2025*

- GPA: 4.0, Cumulative GPA: 96.0%