

RICK LIU

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SKILLS

Languages: Python, Java, C, C++, HTML, CSS, JavaScript, SQL
Technologies: React, Node.js, Git

PROJECTS

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

Website to Compare Stats of Anime Watchers Nov 2020 – Jan 2021

- Designed a modular and responsive frontend website using HTML, CSS, and React that accepts user inputs and displays statistics in a graphical format
- Developed a Node.js backend that scrapes pages of the website MyAnimeList.net for data on requested users
- Created a MySQL database that speeds up future requests by storing scraped data

CamWow Python

Gesture-Based Computer Task Automation Oct 2020 – Nov 2020

- Worked in a team of five and used Python with OpenCV to develop an application that automatically runs user-specified tasks based on hand gestures detected by a Raspberry Pi
- Implemented the customization and storage of tasks by writing to files and created a GUI using Tkinter to streamline the end-user experience
- Established client-server communication between the Pi and one or more computers
- Assisted in developing automated website browsing and login with Selenium

SoluteTaire Java

Java-Based Solitaire Clone Nov 2019 – Jan 2020

- Used Java to develop a clone of Solitaire with object-oriented design
- Utilized the libGDX framework to implement the game loop and GUI

EDUCATION

University of Waterloo Waterloo, Ontario

Candidate for BAsC in Software Engineering Sep 2020 – April 2025

- GPA: 4.0, Cumulative GPA: 96.0%