

# RICK LIU

226-505-9508 • rick.liu@uwaterloo.ca • Waterloo, ON  
linkedin.com/in/rick-s-liu • github.com/rick-liu-02 • rickslui.web.app

## 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 that Compares 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 from the website MyAnimeList.net for data on requested users
- Created a MySQL database that stores scraped data to speed up future requests

**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
- Established client-server communication between the Pi and one or more computers
- Implemented the customization and storage of tasks and created a GUI with Tkinter to streamline the customization process for users
- Assisted in using Selenium to develop automated website navigation and login

**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%