

Jason C. Liu

719-229-9341

jasonliu21396@gmail.com

[Website](#) | [LinkedIn](#) | [GitHub](#)

School Address
300 Arroyo Dr
Irvine, CA 92617

Permanent Address
4536 Torrey Pines Dr
Chino Hills, CA 91709

Education

University of California, Irvine

2017 – Current

- Major: Software Engineering
- Minor: Statistics

Technical Skills

Programming Languages: Python, JavaScript, C++

Software/Libraries: GitHub, Microsoft Office, VS Code, Git, Bootstrap, p5.js

Art Technology: Adobe Photoshop, Sony Vegas Pro

Languages: Conversational proficient in Mandarin, English

Experience

UCI Information and CS Student Council Intern

Summer 2018

- Developed and Redesigned the current student council website using HTML/CSS along with Bootstrap framework
- Accessible by all ICS related student organization in order to organize events and submit student council requests
- Managed all student feedback data on the accessibility of the current website which was used to design and recreate the new website

Notable Projects

Personal Website (HTML/CSS/JS)

- Implemented CSS and html in order to design a responsive and modern webpage
- Incorporated JS libraries (bootstrap) for quick animations and user responsiveness
- Created a seven-segment clock widget to increase the design quality

Number Recognition Neural Network (Python 3)

- Convolutional NN, with a 96.7% accuracy through feedforward and backpropagation training
- Able to recognize any size hand written digit as an image, Backpropagation is significantly optimized through memorization of gradient descent functions
- Individual layers and nodes are implemented from scratch, where each layer contains a certain amount of nodes
- Created method to save and read from memory the weights and bias of the entire network in an organized manner.

Chess AI w/ Minimax Tree (JavaScript)

- Using the Chessboard.js and Chess.js libraries, created a fully playable player vs AI chess game
- Implementing the minimax algorithm to select the maximum evaluation of the opponent's minimum choices
- Foresees player moves at any number of steps ahead and makes move based on highest board evaluation

Activities/Achievements

HackUCI 2019 Mayhem Taxi Racing (Node.js, JavaScript, Java)

Irvine, CA

Feb 15 – Feb 17, 2019

- Awarded the most polished game award, as voted by judges
- Created a responsive and fast phone to screen to server game
- Produced the entirety of the backend, continuously listening for TCP and HTTP requests via a node.js server
- Established the foundation for the front-end canvas for which the game was rendered on using p5.js

Cyber @ UCI

Irvine, CA

September 2017 – Current

Tsi Lai Shi Temple Team Leader

Hacienda Heights, CA

Dec 2015 – May 2017

- Lead a team of volunteers to complete tasks on time as completion before Buddhist monks arrived was critically important
- Managed and assigned tasks to each individual making sure standards were put in place

Work Experience

China Palace

Gardena, CA

June 2017 – Aug 2018

- Worked as a cashier, received orders from Grubhub, UberEATS and Postmates
- Organized and packaged order for deliveries and managed communication with customers if deliveries were going to be late or there was an issue with the order

Sushi IPPO Server/ Crew Member

Los Angeles, CA

July 2016 – Aug 2016

- served food and kept consistent great customer service in a fast pace all you can eat sushi restaurant
- Organized tables and communicated with others to insure food was going out to the correct tables

Relevant Courses

ICS 45C: C++ as a second language, ICS 132: Computer Networks, ICS 6D: Discrete Mathematics