

# Justin Zhang

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## EDUCATION

### UNIVERSITY OF CALIFORNIA, MERCED

B.S IN COMPUTER SCIENCE

MINOR: BUSINESS AND MANAGEMENT

GRADUATED: MAY 2020

HONORS: DEAN'S LIST

GPA: 3.3

## SKILLS

### TECHNICAL SKILLS

Programming Language

Java • HTML/CSS • Python • JavaScript

C/C++ • MatLab • Swift • LaTeX

Machine Kit

Arduino • Raspberry Pi • Python Flask

Spoken Language

Chinese • Japanese • Korean • English

## PROJECTS

### BACKEND/FRONTEND - TRUCKALERT

February 2019

- Developed an app for a company that provides relevant information to assists trucker
- Collaborated in a team of 3 storing database in SQL and GIS using Django
- Implemented Map Quest API and Leaflet plug-in for map visualization and re-calculation

### GOOGLE EXTENSION - CHROME TUTORIAL

September 2018

- Designed two UI popups satisfying Mac and Windows users walking them through basic shortcuts of Chrome
- Implemented CSS and HTML through Visual Studio Code to design both user interface

### GAME DEVELOPED - MONSTER FIGHTER

April 2018

- Utilized OpenGL, C++/C, GLUT, Photoshop skills to develop a 2D role playing action game
- Awarded best designed game using Object Orient Programming skills in UC Merced

## WORK EXPERIENCE

### FULL STACK SOFTWARE ENGINEER

UNIVERSITY OF CALIFORNIA, MERCED

Feb 2020 - May 2020 | Merced, CA

- Created a server/website using HTML and CSS connecting it to Raspberry Pi as a Front-end
- Written code in python through Python Flask as a Back-end controlling the Raspberry Pi
- Mentee under a former Google Employee learning both Front-end and Back-end mechanics

### INFORMATION TECHNOLOGY CONSULTANT

UNIVERSITY OF CALIFORNIA, MERCED

Sep 2018 - May 2020 | Merced, CA

- Provided technological assistance and customer service to over 6,000 students and over 300 staff members through effective communication, diagnosing, and problem solving
- Troubleshoot basic to advanced hardware, software, network problems for students and faculty

### DATA SCIENTIST INTERN

LAWRENCE LIVERMORE NATIONAL LAB

Summer 2019 | Livermore, CA

- Analyzed large data-set using python through reinforcement learning and applying it to real-life simulations
- Coded a policy in virtual environment visualizing the neural network through graphs and decision trees
- Utilized all git commands as main source of sharing resources between teams

### MACHINE REINFORCEMENT LEARNING LABORATORY

UNIVERSITY OF CALIFORNIA, MERCED

March 2019 - Aug 2019 | Merced, CA

- Utilized libraries from Amazon Web Service as base for HVAC (Heating, Ventilation and Air Conditioning)
- Implement Python to reinforcement learning through Deep Q Networking using Intel coach environment
- Main purpose is to use Machine Learning to develop a perfect HVAC environment for people consuming the least amount of energy necessary through Artificial Intelligence (AI)

## LEADERSHIP

### SOCIETY OF ASIAN SCIENTISTS AND ENGINEER (SASE) PRESIDENT

Feb 2016 - May 2020 | Merced, CA

- Revived chapter and mobilized full executive board for 2016-2017
- Connected the entire UC Merced campus forming an alliance with every STEM organization