Justin Zhang

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EDUCATION

UNIVERSITY OF CALIFORNIA, MERCED
B.S in Computer Science
Minor: Business and Management
Expected Graduation: 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

UNIVERSITY OF CALIFORNIA, MERCED | Full Stack Software Engineer
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

UNIVERSITY OF CALIFORNIA, MERCED | Information Technology Consultant
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

LAWRENCE LIVERMORE NATIONAL LAB | Data Scientist Intern
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

UNIVERSITY OF CALIFORNIA, MERCED | Machine Reinforcement Learning Laboratory
March 2019 – Aug 2019 | Merced, CA
- Utilized libraries from Amazon Web Service as base for HAVC (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 HAVC 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