

Davin Wong

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Education

San Jose State University

Expected Graduation: May 2021

B.S. Computer Engineering / Overall GPA: 3.589

Relevant Coursework: Data Structures and Algorithms (C++), Digital Design (Verilog), Computer Architecture and Design (Verilog and MIPS), IoT Platforms, Machine Learning for Big Data, Microprocessor Design, Object Oriented Programming (C++), Object Oriented Design and Analysis (C++), Software Engineering (Python), x86 Assembly, Operating Systems, Computer Networks, Engr Reports, Applied Probability & Statistics, Discrete Mathematics, Linear Algebra and Differential Equations

Skills & Technologies

Proficient in Python, C++, Java

Experienced with Git, Flask, C, HTML/CSS, Heroku, Microsoft Excel, Verilog

Learning/Familiar with Linux, x86, React.js, Node.js, Express.js

Quick Learner

Team-Player

Selected Independent Projects

IoT Firefighter Mission Tracking System – AWS IoT Services, Serverless Framework, and Node.js *November 2019*

- Created an AWS serverless dashboard web application that allows real time monitoring of firefighter teams' status and location as well as a visualization of the data from the firefighter team member's on-body sensor
- Separated the project into 3 layers: cloud, team trackers, on-body sensor
- Used Serverless Framework and Express.js to create the web frameworks

Stock Trading – Python and Robinhood API

November 2019

- Draws the symbols, three or four letter acronym which represents a stock, from user's watchlist and portfolio using Robinhood API
- Analyzes the historical data after drawing in the symbols and returns accuracy of the estimates

Library Book Shipping – Python

February 2020

- Made an application utilizing both the greedy algorithm and dynamic coding to find the most optimal combination for shipping books between libraries
- Implemented a queue data structure to maximize our points per book shipped

MyScheduler – Python, Flask, and Heroku

Fall 2019

- Designed and developed a web application for scheduling events and finding vacancies in the user's schedule
- Allows a user to view another user's schedule if usernames are exchanged

Work/Leadership Experience

Tutor for Microprocessor Design at SJSU

March 2020 - May 2020

- Tutored students enrolled in SJSU's Microprocessor Design lecture
- Did a Finals review session for students in SJSU's Microprocessor Design lecture

Assistant Sifu for Shaolin Kung Fu

Spring 2016 - Fall 2016

- Helped teach beginner and intermediate classes

Events Attended and Academic Achievements

- **Dean's Scholar** – Awarded by SJSU College of Engineering for exceptional academic performance

Fall 2019

- **Google Tech Challenge**

April 2019

- **PayPal Opportunity Hacks**

November 2019

- **Google Hashcode**

February 2020