

# Davin Wong

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## Education

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### 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

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**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**

## Projects

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### **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

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### **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

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- **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*