

# Daniel P. Wong

Castro Valley, CA & San Luis Obispo, CA

☎ (510) 432-1118 | ✉ dwong56@calpoly.edu | 🏠 www.danielwong.us | 📷 danwong | 🌐 dapwong

## Education

### California Polytechnic State University

San Luis Obispo, California

B.S./M.S(4+1) IN COMPUTER SCIENCE, MATH MINOR, IN MAJOR GPA: 3.50, OVERALL GPA: 3.46

Expected: Jun. 2019

- Involvement: Dean's List 2015/2017, White Hat Security Club, Computer Engineering Society

## Experience

### Sentient Energy

Santa Clara, California

SOFTWARE ENGINEER INTERN

Jun. 2017 - Sep. 2017

- Utilized **machine learning via TensorFlow** to fully automate REST API testing deprecating manual generation
- Developed modules to parse information necessary to automate creation of REST API calls
- Automated the classification of methods to define expected outputs **machine learning**
- Populate databases necessary for execution of test cases based on training data
- Designed a system that notifies the engineer who was responsible for the section of code that failed the verification process

### Microcon

San Luis Obispo, California

SOFTWARE ENGINEER INTERN

Sep. 2016 - Jun. 2017

- Designed the frontend and the backend of the Employee Portal with NODE.JS, C#, and Microsoft SQL Server
- Developed complex SQL scripts to reduce query times by 15%
- Integrated the Employee Portal with eHRSuite to synchronize all data and information about the employees
- Reduced redundancies in the backend of the platform to increase scalability for the increasing number of clients

## Projects

### Facial Recognition Authentication for Clover Devices

San Francisco, California

BACK END ENGINEER

Jun. 2017 - Present

- Developed middleware for Clover Payment Devices to prevent fraudulent activity via Facial Recognition
- Developed a facial recognition program using TensorFlow to detect whether or not the user is the person authorized to use the credit card
- Integrated Clover's Android SDK to create a custom tender option that takes a picture of the person checking out to identify whether or not the person is fraudulent
- Deployed a server to handle the requests for authenticating a user from the Clover device
- Implemented Firebase to handle the intermediary exchanges between the user's data and classifier to authenticate a user correctly

### C Machine Learning Library

San Francisco, California

TEAM LEAD

Jun. 2017 - Present

- Designed commonly used machine learning models to support our Hackathon team's artificial intelligence applications
- Wrote a small scaled library in C to reduce overhead and redundancies commonly found in libraries created for higher level languages

### Text File Compression

San Luis Obispo, California

SOLO

Oct. 2016 - Nov. 2016

- Implemented Huffman Coding to compress text files in Java and C
- Designed complimentary encoding program to compress files into characters to serve an educational purpose for those learning how compression works

### Flash Card iOS Study Tool

San Luis Obispo, California

ENGINEERING LEAD

Oct. 2015 - Dec. 2015

- Developed an iOS application to help groups of students study together with a flashcard like application
- Used Swift and MongoDB to allow local and remote storage for the data necessary for the application

## Skills

**Programming** Python, C, Java, Swift, C#, SQL

**Other** JavaScript, HTML5, Git, Docker