

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, OVERALL GPA: 3.46

Expected: Jun. 2019

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

Experience

Oracle

Redwood Shores, California

SOFTWARE DEVELOPER INTERN

Sep. 2017 - Current

- Developed iOS and Android applications for customer support

Sentient Energy

Santa Clara, California

SOFTWARE ENGINEER INTERN

Jun. 2017 - Aug. 2017

- Developed a framework to automate validation of REST API for nightly builds saving **4 hours per method**
- Utilized **machine learning via TensorFlow** to automate classification of new methods creating a scalable environment
- Developed modules to parse information necessary to automate creation of REST API calls
- Automated the classification of methods to define expected outputs via **machine learning**
- Populate databases necessary for execution of test cases based on training data
- Validates back end by verifying dependent databases after a successful API call eliminating manual validation

Microcon

San Luis Obispo, California

SOFTWARE ENGINEER INTERN

Sep. 2016 - Jun. 2017

- Designed the frontend of the Employee Portal using HTML5, and JavaScript
- Developed the backend of the Employee Portal using C# and Microsoft SQL Server
- Integrated backend with previous infrastructure to handle scalability by not saving redundant data
- Created scripts for deployment processes during upgrades and releases
- Developed complex SQL scripts to reduce query times by 25%
- 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
- Designed a facial recognition program using TensorFlow to detect if a user is the person authorized to use the credit card
- Won **3rd place** at the Global AI Hackathon in San Francisco and won **1st place** for the Clover challenge
- Deployed a server using Google Cloud Platform to handle the requests for authenticating a user from the Clover device
- 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

Machine Learning API

San Francisco, California

TEAM LEAD

Jun. 2017 - Present

- Designed commonly used machine learning models to support our Hackathon team's artificial intelligence applications
- Deployed an API via Google Cloud to interface Clover payment devices and Chui's API

Flash Card iOS Study Tool

San Luis Obispo, California

SOFTWARE LEAD

Oct. 2015 - Dec. 2015

- Developed an iOS application to help groups of students study together with a flashcard like application
- Utilized device's accelerometer to navigate through application's storyboard
- 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, Google Cloud Platform