Daniel P. **Wong**

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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

Sentient Energy — *Santa Clara, California*

SOFTWARE ENGINEER INTERN — *Jun. 2017 - Sep. 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