

# Daniel P. Wong

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## Education

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### California Polytechnic State University

San Luis Obispo, California

B.S IN COMPUTER SCIENCE, MATH MINOR, OVERALL GPA: 3.41

Expected: Jun. 2019

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

## Experience

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### Microsoft

Redmond, Washington

SOFTWARE ENGINEER INTERN

Sep. 2018 - Oct. 2018

- Developed two of the most requested features for **Microsoft** Teams iOS
- Feature one overhauled the entire functionality of the **send** feature, the most used feature in the application
- Feature two has been deployed and used thousands of times and is awaiting shipment to store
- Integrated with many APIs and SDKs including Google, Bing, Apple, Skye, etc.
- Integrated with current messaging infrastructure and extended it for implementation of the features while increasing performance
- **Both** features will ship to the **Apple App Store**

### Oracle

Redwood Shores, California

SOFTWARE ENGINEER INTERN

Sep. 2017 - Oct. 2017

- Designed new functionality with pre-existing infrastructure to reduce redundancies in the backend
- Evaluated previous system for **iOS** and **Android** applications to architect a plan to integrate a new workflow

### 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

## Projects

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### Facial Recognition Authentication for Clover Devices

San Francisco, California

BACK END ENGINEER

Jun. 2017 - Present

- Won **1st place** for the Clover challenge and won **3rd place** at the Global AI Hackathon
- 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
- 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

## Skills

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**Programming** Objective-C, C, C#, Java, Python, Swift, SQL, JavaScript  
**Other** Azure, HTML5, Git, Docker, Google Cloud Platform