# Daniel P. **Wong**

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## Education

**California Polytechnic State University**                                    *San Luis Obispo, California*

B.S IN COMPUTER SCIENCE, OVERALL GPA: 3.20                                    *Expected: Mar. 2020*

- White Hat Security Club, Computer Engineering Society

## Experience

**Microsoft Inc.**                                                            *Redmond, Washington*

SOFTWARE ENGINEER INTERN                                                      *Jun. 2019 - Present*

- Integrate Machine learning algorithms and developed features for **Azure Cloud** to increase the reliability of Storage services by 25%
- Developed features to monitor service dependencies and use **machine learning** to correlate incidents to a service failure
- Developed diagnostic tools to decrease the time to resolve an outage or throttle in the performance of **Azure** file servers
- Developed APIs to ingest telemetray data to find latency and availability issues about Azure Clusters by deriving events from the data

**Microsoft Inc.**                                                            *Bellevue, Washington*

SOFTWARE ENGINEER INTERN                                                      *Jun. 2018 - Sep. 2018*

- Developed on **Microsoft Teams iOS**, shipped the Audio Message feature with **1 million** voice messages per month
- Developed with **Objective-C** and shipped the Share A Location feature - pick a location and send a message
- Developed **APIs** for recording, rendering, storage, sending and playback for Share Location and Audio Messaging features
- Integrated with **Apple Maps** API to develop location picker, map message card, address correlation, and application forwarding
- Integrated with APIs and SDKs including **Google Maps**, **Bing Maps**, **Apple Maps**, **Skype Storage**, **Azure Storage**

**Oracle Inc.**                                                              *Redwood Shores, California*

SOFTWARE ENGINEER INTERN                                                      *Sep. 2017 - Oct. 2017*

- Developed **iOS** and **Android** applications for **Oracle** service engineers
- Integrated **Google's Firebase** for storage and wrote with **Java** for Android and **Swift** for iOS

**Sentient Energy**                                                          *Santa Clara, California*

SOFTWARE ENGINEER INTERN                                                      *Jun. 2017 - Aug. 2017*

- Developed a framework in **Python** to automate validation of REST API for nightly builds
- Developed parser using **Python** to recursively discover and map the schematic of the application's architecture
- Utilized **machine learning via TensorFlow** to classify newly developed methods
- Populate databases necessary for executing test cases using Tensorflow
- 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
- Dveloped SQL queries to develop features and efficiently scale the database

## Projects

**Facial Recognition Authentication for Clover Devices**                     *San Francisco, California*

SOFTWARE ENGINEER                                                            *Jun. 2017*

- Placed **first** place for the Hackathon's API challenge.
- 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 the owner of the credit card

## Skills

**Programming**   Objective-C, C, C#, Java, Python, Swift, SQL, JavaScript

**Other**   Azure, HTML5, Git, Docker, Google Cloud Platform