Daniel P. **Wong**

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Education

California Polytechnic State University   *San Luis Obispo, California*

B.S IN COMPUTER SCIENCE, MATH MINOR, OVERALL GPA: 3.36   *Expected: Jun. 2019*

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

Experience

Microsoft   *Redmond, Washington*

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

- Developed and shipped the Share Location feature which uses Apple's MapKit and Bing Maps API to send a geo-location message
- Developed and shipped the Audio Message feature which replaces the send button on our iOS client
- Created the backend services which uses Skype's Chat services and AMS to store raw audio data and map data securely
- Designed and developed a parser and inline renderer for both the Audio Message feature and the Share Location feature
- Integrated with many APIs and SDKs including **Google**, **Bing**, **Apple**, **Skype**, etc.
- Both features streamlined the messaging pipeline with improvements in performance by reducing the number of API calls
- **Both** features will officially ship to the **Apple App Store** soon

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 the REST API scchema
- Populate databases necessary for executing test cases by inducting from 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 database infrastructure to handle scalability by not saving redundant data
- Created scripts for shipment processes during upgrades and releases

Projects

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

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

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