Daniel P. **Wong**

Castro Valley, CA & San Luis Obispo, CA

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Education

Cal Poly - SLO   *San Luis Obispo, California*

B.S. in Computer Science, Math Minor, In Major GPA: 3.50, 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*

- Utilized **machine learning via TensorFlow** to generate test cases and populate databases
- Created scripts to parse all software being released to automatically populate databases required for the test cases depreciating manual database insertion
- Utilized Reinforcement Training to classify each call to automatically generate test cases for the REST calls resulting in **30%** less manual testing
- Designed a system that notifies the engineer who was responsible for the section of code that failed the verification process.

Microcon   *San Luis Obispo, California*

Software Engineer   *Sep. 2016 - Jun. 2017*

- Designed the frontend and the backend of the Employee Portal with NODE.JS, C#, and Microsoft SQL Server
- Developed complex SQL scripts to reduce query times by 15%
- 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
- Developed a facial recognition program using TensorFlow to detect whether or not the user is the person authorized to use the credit card
- 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
- Deployed a server to handle the requests for authenticating a user from the Clover device
- Implemented Firebase to handle the intermediary exchanges between the user's data and classifier to authenticate a user correctly

C Machine Learning Library   *San Francisco, California*

Team Lead   *Jun. 2017 - Present*

- Designed commonly used machine learning models to support our Hackathon team's artificial intelligence applications
- Wrote a small scaled library in C to reduce overhead and redundancies commonly found in libraries created for higher level languages

Text File Compression   *San Luis Obispo, California*

Solo   *Oct. 2016 - Nov. 2016*

- Implemented Huffman Coding to compress text files in Java and C
- Designed complimentary encoding program to compress files into characters to serve an educational purpose for those learning how compression works

Flash Card iOS Study Tool   *San Luis Obispo, California*

Engineering Lead   *Oct. 2015 - Dec. 2015*

- Developed an iOS application to help groups of students study together with a flashcard like application
- Used Swift and MongoDB to allow local and remote storage for the data necessary for the application

Skills

Programming   Python, C/C++, Scala, JAVA, Node.JS, Swift, C#, SQL

Web   Django with Python, Express with Node.JS, HTML5, Rails 4/5