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| Marcus Hernandez | Phone: (562) 279-3457  Email: mar.hernandez010@gmail.com  GitHub: https://github.com/marc-hern  LinkedIn: https://linkedin.com/in/marc-hern  Portfolio: https://marc-hern.github.io/ |

# Objective

Computer Science student with extensive experience in machine learning and data processing and analytics, mobile application development, and web-based application development. Seeking opportunities to develop personally and to work collaboratively in a professional environment.

# Technical Skills

* Prog. Languages: Python (proficient), Java (Proficient), JavaScript (Proficient), HTML/CSS (Proficient)
* Database: SQL, MySQL
* IDE / Framework: Jupyter Notebook, AngularJS, Android Studio
* Systems: Git, Windows, Linux

# Project Experience

**Predictive Analytics in IMDB Dataset** – Bellflower, CA

* Preprocessing of data to reduce dimensionality size and narrow scope, used matplotlib to stylize and organize graphs with corresponding data, OneHotEncoding to convert categorical data to numeric.
* Implemented KNN, Decision Tree, AdaBoost, and RandomForest classifiers.

**MySQL Database Trivia Web Application** – Los Angeles, CA – September 2016 – May 2017

* Implemented MVC approach to web-based application utilizing MySQL database to store and retrieve trivia questions.
* Leveraged Sessions to ensure multiple users should be able to play at the same time.

**Photometric Walkthrough Mobile Application (Project Lead)** – Los Angeles, CA – September 2016 – May 2017

* Developed mobile application to make use of .IES files, specialized lighting files, for interior design projects.
* Worked as project lead by delegating work and ensuring completion regardless of member, researched and incorporated .IES files to main project.
* Created specialized data structure to hold dynamic information.

**Object Recognition in Images (Project Lead)** – Los Angeles, CA – January 2017 – May 2017

* Recognized specialized patterns with live data stream from small rovers and identify specific objects within images.
* Developed algorithms to optimize autonomous rovers with specialized tasks.

# Education

**Bachelor of Science in Computer Science** – California State University Los Angeles – Los Angeles, CA

September 2014 – July 2017

Courses Completed:

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| * Advanced Topics in Data Science (CS 5661) * Introduction to Data Science (CS 4661) * Swarm Robotics (EE 4540) | * Current Trends in Web Design (CS 4220) * Mobile and Cloud Computing (CS 454) * 3D Computer Game Programming (CS 454) |