MARCUS HERNANDEZ

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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:

- 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)