Eugene Lee

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Education

California State Univesity, Fullerton, *Master of Science in Computer Science*	August 2020 – May 2022
Bachelor of Science in Computer Science, *California State University, Fullerton*	August 2015 – July 2020

Technical Skills and Coursework

Languages: Python, R, MySQL, C++, PHP, MATLAB, Javascript, HTML/CSS, BASH
Frameworks/Libraries: TensorFlow, PyTorch, scikit-learn, Numpy, pandas, Angular, Ionic, React, React Native
Tools: Git, RStudio, Docker, Xcode, Postman

Related Experience and Projects

Andrew Ng Machine Learning Coursera Course   July 2020 – August 2020
- **[Project] Spam Classifier**
  - Built a spam classifier with an SVM and a Gaussian Kernel in MATLAB that achieved 98% test accuracy.
  - Defined Gaussian Kernel in MATLAB.

California State University Fullerton, Department of Computer Science and Engineering   January 2020 – May 2020

- **[PROJECT] Senior Design Project: Traffix**
  - Developed a Q-Learning algorithm using Python, TensorFlow, and Keras intended to improve cumulative wait time for vehicles in a simulated road.
  - Defined a Q table which allowed an agent to assess the quality of an action based off of its experience.
  - Implemented algorithm with CUDA to utilize GPU.
  - Defined training and test environments using XML and the Simulation of Urban Mobility.

- **[PROJECT] Covid-19 Data Tidying and Analytics**
  - Cleaned multiple datasets under the Tidy Data principle using R and the dplyr library.
  - Performed multivariate linear regression to explain variation in mortality between countries due to difference in demographics and hospital infrastructure.

Optimus Educational Services   July 2019 – August 2020
- **Full Stack Developer**
  - **[PROJECT] MyOLS**
    - Launched iOS application in the Angular/Ionic Framework intended to help parents monitor their child's academic performance.
    - Designed Student Progress Tracker using jQuery, PHP, and HTML/CSS.
    - Implemented notification functionality by integrating OneSignal API.
  - **[PROJECT] optimuslearningschool.com**
    - Implemented web page caching system and refactored MySQL queries to increase load time on pages.
    - Created automated invoice functionality by writing PHP, Javascript, and AJAX scripts.
    - Updated API to scale to multiple branch locations.

Leadership Experience

Association for Computing Machinery-Women, CSUF   January 2020 – Present
- **Webmaster (05/2020 to present)**
  - Led a team of developers as a Project Manager by organizing meetings, working with faculty to understand project requirements and ADA compliance, and delegating responsibility.
  - Organized virtual club meetings and led conversation around discrimination in computing, mental health, and stress management.