FRANCISCO TREJO

DATA ENGINEER

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SUMMARY

As a first-generation engineering college graduate and Data Scientist, I have welcomed challenges in many facets of my life. I am driven by my curiosity about the world around me and look to use data in challenging and meaningful ways. My experience as a low voltage security designer provided me with invaluable interpersonal skills including client management/support, effective communication, and the ability to work in a team under tight deadlines. I am looking to apply these skills with my passion for continuous learning to help companies tackle complex problems.

SKILLS & INTERESTS

Skills: Python, SQL, Jupyter, Git, Scikit-Learn, Numpy, Pandas, Matplotlib, Seaborn, AWS, Machine Learning, Tensorflow, Keras, Regression models (Linear, Ridge, Lasso), Classification models (Logistic, K Nearest Neighbors, K-Means, Decision Trees, Random Forests), Natural Language Processing
Interests: Personal Finance, Reading, Fitness, Video Games

EXPERIENCE

Data Science Immersive Fellow   **Remote**
General Assembly   *04/2022 – 07/2022*
- Demonstrated ability to analyze data and draw insights, using a variety of methods including data visualization, data engineering, and machine learning
- Completed 20 labs and 6 projects, totaling over 600 hours of work during a full-time immersive course
- Demonstrated ability to quickly learn and apply new technologies and methodologies.
- Communicated project findings and recommendations for technical and non-technical audiences.
- **Video Game Average User Score Classification**
  - o Scraped Metacritic review site for all-time top 100 games for 6 different consoles resulting in 112,345 reviews.
  - o Performed data cleaning, EDA, and preprocessing using popular libraries such as Matplotlib, Seaborn, Cleantext, and sklearn to create a dataset ready for modeling.
  - o Built 2 models, Logistic Regression and Random Forests, along with Grid Search to produce interpretable results with the best accuracy score.
- **Reddit post analysis using NLP**
  - o Utilized PRAW API to scrape Reddit "hot" posts from r/all over 5 days, collected 20,000 Reddit posts to use for Natural Language Processing and modeling.
  - o Created K-Nearest Neighbor and Random Forests models using the sklearn library to identify a production model with the best accuracy score, and utilized Grid Search to find the optimal hyperparameters.
  - o Produced a confidence interval of 0.6556 ± 0.0120, 15% better than our baseline, and identified the top 5 features that increase the odds of a Reddit posts interaction.

Convergint   **Pleasanton, CA**
Security Project Designer   *07/2020 - 04/2022*
- Performed data analysis of client pipeline and Project Manager workload to better assign and review projects, created dashboard reports for management and internal team.
- Participated in internal and external design reviews with clients to address issues and create RFIs.
- Performed QA/QC of data center drawing sets resulting in over $500k in change orders.
- Streamlined PlanGrid device counts with custom excel functions and automation, reducing creation time by over 50%.

TEECOM   **Oakland, CA**
Security Design Engineer   *06/2019 – 07/2019*
- Created drawing sets for 100% DD and 100% CD phases as a junior engineer, successfully completing 8+ security projects.
- Represented the company at client meetings and prepared meeting note documentation to gather crucial information and project requirements.
- Exceeded billing revenue goals by over $24,000 through optimized workflow and constant inquiry.

EDUCATION

Certificate, Data Science   **San Francisco, CA**
General Assembly   *Graduation Date: 07/2022*

San Jose State University   **San Jose, CA**
BS in Mechanical Engineering   *Graduation Date: 05/2019*