JEFF ALEXANDER | Data Scientist

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SKILLS

Coding - Python | Pandas | Numpy | Scikit-learn | SQL | Web Scraping
Machine Learning - Regression | Classification | NLP | Neural Networks | Time Series | Deep Learning
Data Visualizations - Matplotlib | Seaborn | Tableau
Software - JupyterLab | GitHub | Google Suite | Google Colab | AWS | Databricks | PySpark

EXPERIENCE

GENERAL ASSEMBLY, DATA SCIENCE FELLOW, Remote   [Nov. 2022-Mar. 2023]
- Quickly learned and immediately applied new technologies and methodologies to real world problems, including data visualization, data engineering, and machine learning.
- Projects include:

Wildfire Size Prediction:
  ➢ Utilizing solely the location and datetime of a reported wildfire incident, a model was made to predict the total acreage burned with a RMSE of less than 2 acres (size of fires up to 343,000 acres)
  ➢ Employed Power API and NASA to scrape land cover classification data as well as the weather data for both the initial report and the historical precipitation data for every fire in the dataset
  ➢ Generated a production model to more efficiently deploy wildfire response resources- both financial and personnel.

Reddit Analysis and Subreddit Classification
  ➢ Scraped Reddit for over 10,000 posts from r/UFC and r/MMA using ShiftAPI
  ➢ Deployed over 50 models including RandomForest, AdaBoosted, Multinomial Naive Bayes, Stacked and Voting Classifiers–for an accuracy of 73.68%, over 23% better than baseline
  ➢ Identified top 50 features that increase Reddit Post Classification, as well as modeled various features such as Sentiment Analysis and Parts of Speech Analysis

MURSION INC., SIMULATION COMMUNICATION COACH, Remote   [Dec. 2020 - Present]
- Trained empathy, emotional intelligence, and communication through innovative virtual-reality environments
- Coached over 1000 clients from companies such as Google, McKinsey, McKesson, Coca-Cola, Starbucks, and Sodexo
- Helped create and streamline training scenarios and guidelines to optimize the short timeframe for various clients–resulting in approximately 18% higher efficiency in certain scenarios

SOLIS FILMS, PROJECT MANAGER/HEAD OF BROADCAST, Remote   [Mar. 2021-Sept. 2022]
- Contracted with companies such as NBC, Andreessen Horowitz, and the Walton Family Foundation to organize and execute high-pressure events
- Organized complex and encrypted broadcast networks and managed the technical production for a high-profile client's investor summit, raising over 1.2 Billion dollars in three days
- Spearheaded transition to agile framework with cross-functionality between multiple teams, boosting client satisfaction and increased client retention by nearly 50%

EDUCATION

Data Science Immersive Fellowship, General Assembly, Remote
Bachelors of Science in Chemistry, UNC Chapel Hill, Chapel Hill, NC
Scrum Master Certification, Scrum Alliance, Remote