Jared Mlekush, MS

LinkedIn | 925-234-3415 | jaredmlekush@gmail.com | GitHub

Skills

- Python | SQL | Pandas | NumPy | SciPy | Scikit-Learn | Snowflake | RedShift | PyTorch | Spark | DBT | Git | Tableau | AWS
- Deep Learning | Tableau | Predictive Modeling | Computer Vision | Segmentation Analysis | Time Series Forecasting

Experience

Data Scientist — **Extend Inc.** — *Remote* — **10/2021 - Present**

- Expedited monthly forecasting, enabling forecast assumption to be compiled **6x** faster by building out process in Python and SQL
- Automated reporting, reducing monthly time ***from several hours to less than 20 minutes*** by using Snowflake and DBT
- **Improved financial forecasting model accuracy by ~10%** by aiding in the implementation of a time series forecast model in Python
- Reduce churn of merchants worth >$25 million using ML on sales and alternative data sources to monitor performance

Data Scientist — **UCSF** — *Remote* — **01/2021 - 09/2021**

- Composed 7 classification models for 7 different target variables in Python, obtaining **over 85% accuracy** on all models by using Logistic Regression and **Random Forest** Classifier
- Corresponded with doctors and proposed strategies on how to feature engineer columns, which led to building 2 additional models not originally proposed or considered

Analyst — **Santa Clara County** — *San Jose, CA* — **03/2019 - 02/2020**

- Collected, analyzed, and assessed ivnoice data reports from information applications, Excel spreadsheets, and SAP accounting database to determine the accuracy and increase proficiency
- Spearheaded the development of Excel spreadsheet templates for future data collection from over 30 of the Santa Clara County mental health agencies/clients

Waiter — **Chili's Bar and Grill** — *Antioch, CA* — **08/2013 - 12/2015**

- Effectively communicated specials, and recommendations to customers, resulting in increased satisfaction and repeat business.

Education

Master of Science — **USF** — *San Francisco, CA, USA* — **08/2020 - 08/2021**

- Major in Data Science

Bachelor of Science — **CSU East Bay** — *Hayward, CA, USA* — **08/2017 - 12/2018**

- Major in Applied Mathematics

Projects

Fraud Modeling (GitHub)

- Optimized model parameters and applied ensemble methods to labeled data to enhance fraud detection accuracy, demonstrating proficiency in supervised learning techniques and precision recall trade-off analysis.
- Successfully applied segmentation and clustering methods to detect fraud in unlabeled data, showcasing a strong understanding of unsupervised learning techniques and their practical applications in fraud detection.

Cancer Classification (GitHub)

- Devised in-depth analysis of data that described cancer features with a target "cancer stage"
- Increased baseline model accuracy by **~7%**, leveraging LightGBM with Optuna for the hyperparameter tuning

Others

- **Coursework:** Regression, Advanced Machine Learning, Time Series, Product Analytics, Business Communication, EDA and Visualization