Jared Mlekush, MS

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Experience

Data Scientist 2, Extend Inc.
Remote **2021 - 2023**

- Developed and deployed a Python time series forecast model, boosting finance forecasting accuracy by around 10%. Utilized diverse data sources, performed thorough analysis, and delivered data-backed insights to enhance decision-making and revenue generation
- Automated weekly reporting process by leveraging Snowflake and DBT/Postgres SQL; slashed time spent for all team members from hours to less than 20 minutes, enabling more timely and data-driven decision-making
- Employed machine learning techniques on business and alternative data sources to analyze performance, resulting in a 10% reduction in merchant churn among high-value clients valued at over $25 million
- Developed and maintained Tableau dashboards containing key risk metrics for senior management teams; used by 5+ executives

Data Scientist, UCSF
Remote **2021**

- Designed 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 data models not originally suggested or considered

Data Analyst, Santa Clara County
San Jose, CA **2019 - 2020**

- Collected, analyzed, and assessed invoice data reports from 2 different information applications, Excel spreadsheets, and SAP accounting database to determine the accuracy and increase proficiency
- Led creation of Excel spreadsheet templates for future data collection from over 30 of the County's mental health agencies/clients
- Trained and mentored colleagues in utilizing the Excel templates designed, by leading a lunch and learn, presenting to over 20 colleagues and analysts

Education

University of San Francisco
San Francisco, CA **2020 - 2021**

- Master's of Science in Data Science

California State University, East Bay
Hayward, CA **2017 - 2018**

- Bachelor's of Applied Mathematics

Projects

Fruit Classification With Deep Learning (Portfolio Site)

- Enhanced prediction accuracy by 20% when compared to baseline model by addressing over-fitting and implementing techniques such as Dropout & Image Augmentation
- Increased accuracy, using 30 fewer epochs than previous models, by using Transfer Learning with VGG16

Enhancing Targeting Accuracy With ML (Portfolio Site)

- Achieved high performance across metrics, including classification accuracy (93.5%), precision (88.7%), recall (90.4%), and F1 score (89.5%) which provided valuable insights for client messaging and customer targeting
- Built a robust model utilizing the Random Forest algorithm to predict, with 93.5% accuracy, customers likely to join the delivery club, enabling precise campaign targeting

AB Testing: assessing Campaign Performance With Chi-Square Test (Portfolio Site)

- With Python, conducted comprehensive campaign performance assessment using the Chi-Square Test, revealing no significant relationship between mailer type and sign-up rate (p-value: 0.16)
- Proposed more A/B testing and data gathering for better insights, as higher-cost mailers did not result in a higher sign-up rate (37.8% vs. 32.8%) compared to lower-cost mailers

Skills

- Python | SQL | R | Pandas | NumPy | SciPy | Scikit-Learn | Snowflake | RedShift | PyTorch | Spark | DBT | Git | Tableau | AWS
- Hypothesis Testing | Deep Learning | Predictive Modeling | Segmentation Analysis | Time Series Forecasting | Product Analytics