

# JARED MLEKUSH, MS

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## WORK EXPERIENCE

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### Extend

11/2021 – 07/2023

Data Scientist 2

Remote, CA

- Developed and deployed a Python time series forecast model, **boosting finance revenue** forecasting accuracy by around **12%**
- Employed machine learning techniques on Salesforce and alternative data sources to analyze performance, **resulting in a 9% reduction** in merchant churn among clients valued at over \$25 million
- Automated reporting process by leveraging Snowflake and DBT/Postgres SQL; **slashed weekly time spent for all team members from hours to less than 20 minutes**, enabling more timely and advanced data-driven decision-making
- Architected and implemented a Python-based anomaly/fraud detection modeling solution utilizing machine learning algorithms; prevented potential fraudulent transactions, **resulting in a 5% reduction in financial losses while increasing security**
- Generated and maintained Tableau dashboards and data visualizations containing key core business metrics for senior management teams and cross functional stakeholders; **used by C-suite executives**
- Aligned with Data Engineering to design and deploy data models utilizing DBT and Snowflake, **optimizing data processing and reporting speed over 50%** and enhancing overall data quality

### UCSF

01/2021 – 09/2021

Data Scientist

Remote, CA

- Engineered a suite of 7 robust classification models in Python, leveraging Logistic Regression and Random Forest Classifier, to deliver great accuracy **rates exceeding 85% across target variables**, optimizing data-driven insights
- Engaged in productive correspondence with doctors to devise effective strategies for feature engineering columns, resulting in the successful creation of 2 additional data models that improved predictive capabilities
- Facilitated regular weekly communication and knowledge exchange among data scientists, fostering a collaborative environment that led to an increase in team efficiency and accelerated decision making capabilities

### Santa Clara County

03/2019 – 02/2020

Data Analyst

San Jose, CA

- Utilized Python and SQL to collect, analyze, and assess invoice data, proving proficiency in technology-driven data analysis
- Led creation of Excel spreadsheet templates for future data collection from over 30 of the County's mental health agencies
- Trained and mentored colleagues in utilizing the Excel templates designed, by leading a lunch and learn, **presenting to over 20 analysts** across the business

## PROJECTS

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### Fruit Classification With Deep Learning ([Portfolio Site](#))

- Enhanced prediction accuracy by 20% when compared to baseline AI model by addressing over-fitting and implementing techniques such as Dropout & Image Augmentation (Transfer learning with VGG16, Python)

### 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 (XGBoost, ML)

## EDUCATION

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University of San Francisco

MS, Data Science

Received: 08/2021

San Francisco, CA

California State University, East Bay

BS, Applied Mathematics

Received: 12/2018

San Francisco, CA

## SKILLS

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- Python; SQL; DBT; Snowflake; R; NumPy; SciPy; TensorFlow; PyTorch; Spark; Risk; LLM; Tableau; AWS
- Hypothesis Testing; Deep Learning; Probability Theory; Scikit-Learn; Data Analysis; Statistical Analysis