

TYLER FURBAY

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PROFILE

Experienced engineer skilled in building data pipelines & API integration, working with data scientists & technical teams, & executing ETL processes. Leveraging these capabilities enables efficient & scalable data availability throughout organizations. Notably, have directly enabled \$2.5M+ in revenue on a team of 3 by building and deploying an industry leading fraud model.

EXPERIENCE

Data Engineer, ViaSat — 2022 - Present

- Forecast satellite capacity throughout entire mobility sector by leveraging prediction algorithms and generating geospatial temporal statistics
- Enable insight into available satellite capacity, such as current & historical usage trends via dashboards, web apps & automated visualizations

Associate Data Engineer, Amount — 2021 - 2022

- Build & Maintain real time data pipelines to ingest loan application data and integrate with decisioning workflow engines across the platform
- Orchestrate datasets to train fraud models & perform PCA to identify predictiveness of features
- Construct feature stores containing loan origination data for other teams to easily leverage in reporting, analysis & data modeling
- Collaborate with data scientists to enhance data modeling & develop feature engineering processes

Data Analyst, Amount — 2020 - 2021

- Perform analyses on existing bank customer policies to gauge effectiveness of current identity, verifications & payment processing strategies as well as propose more impactful policies to employ
- Generate ETL processes across disparate data sources to perform custom data builds and improve accessibility of siloed data
- Deployed both vendor cost insight & risk policy management dashboards using Looker to more efficiently track KPI's & enable risk analysis for cross-functional teams throughout the org
- Build automated data monitoring checks to ensure data quality & uninterrupted data flow

Global Pricing Data Analyst (Contract), Plantronics — 2019 - 2020

- Extract, transform and load global pricing data using SQL & python to enable KPI tracking & analyses
- Perform automated pricing data capture processes to better identify sales in secondary markets
- Develop dashboards driving improved business intelligence, and high-value data visualizations
- Design frameworks to ingest disparate sales performance data driving improved decisioning/strategy

EDUCATION

- UC Santa Cruz - 2018-2019 — MS Applied Economics and Finance
- UC Santa Cruz - 2014-2018 — BA Business & Economics

SKILLS & TECH STACK

Python, SQL, AWS, DBT, Airflow, Postman, Git, R, Django, DBT, Tableau, Looker/LookML, Plotly

PROJECTS

- [NFL Statistical Analysis](#) - Performed an strategic analysis to determine which plays most significantly impacted a team's chance of winning any given game (<https://github.com/tfurbs/moneyball>)
- [Photography Website](#) - Creating a website in Django to host portfolio of my photography (still in Beta)

HOBBIES

Snowboarding, Running, Working out, Hiking, Sports, Reading, Photography, Fishing, Agriculture