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 delivery throughout organizations. Most recently, 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

- Assemble data pipelines to enable data availability throughout the org in domains such as analytics, sales and finance
- Develop dashboards to portray key performance metrics for customers

Associate Data Engineer, Amount — 2021-present

- Build & Maintain real time data pipelines to ingest loan application data through fraud model products and integrate with decisioning workflow engines across the platform
- Orchestrate vital training datasets using SQL, Python, Spark, AWS Glue & S3
- Construct feature stores for other teams to easily leverage in reporting, analysis & data modeling
- Develop features to support dynamic ETL, data quality validation & delivery using Airflow

Senior Data Engineer, Amount — 2020–2021

- 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 effectively 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
- Collaborate with data scientists to enhance data modeling & develop feature engineering processes

Global Pricing Data Engineer (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 gather & ingest fragmented sales performance data to drive improved sales decisions & strategies

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 (Redshift, Athena, Sagemaker, Lambda, Glue, Kinesis, EMR), Spark, Airflow, Postman, Git, R, Django, Google BigQuery, Tableau, Looker/LookML, Communication w/ diverse audiences

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

Surfing, Skating, Snowboarding, Running, Working out, Hiking, Watching sports (mainly basketball, football, lacrosse), Reading, Surf Photography, Fishing, Agriculture