

Ryan Musgrove

Austin, TX

(512) 734-7969

SWIMMINRYAN@GMAIL.COM

[LinkedIn](#)

ryanmusgrove.work

Experience

April 2024 - Present

Disco, Austin TX- Analytics Engineer

- Standardized and modularized SQL logic by migrating legacy pipelines to DBT, reducing query complexity and improving team productivity across multiple projects.
- Led the design and deployment of scalable data pipelines across internal and client-facing platforms, reducing manual work and saving ~\$30,000 annually through process automation.
- Developed and maintained executive-level Quicksight dashboards delivering actionable insights on product usage, client health, and financial KPIs for strategic decision-making.
- Created and maintained DBT models that enabled Analysts to perform exploratory analysis on structured datasets, improving data accessibility and accelerating insights
- Developed and deployed a survival analysis model to predict churn of legal matters based on user engagement and product usage signals

July 2023 - April 2024

Amazon, Austin TX- Quality Analyst

- Driving process improvement which resulted in a decrease of defects 55% QoQ by creating action items to ensure standardization across the process.
- Developed and implemented tools via scripting languages that have increased precision on defect identification by 349% in comparison to the previous process which is projected to save ~220 hrs/yr.
- Building Tableau and Quicksight data reports to identify and provide data-driven solutions to performance trends within Central Operations.

April 2022 - July 2023

Amazon, Austin TX- Logistics Analyst

- Utilized agile methodologies in collaboration with cross-functional teams on planning out the best short-medium term solution for Flex Schedule Ahead.
- Designed and implemented Stark (python program) within Central Operations which is used to create an optimized flex wave plan spanning over 443+ delivery stations while improving process time efficiency by 90.7%. This solution ensures a yearly entitlement of \$5,501,323 is upheld throughout the Flex Schedule Ahead program.

- Utilizing AWS S3/Redshift/MySQL and Python to pull data in order to maintain the most optimized forecast for Delivery Stations
- Leveraging REST APIs via Pandas and Python as well as ETL Pipelines to streamline data acquisition.
- Created data reports utilizing advanced excel techniques such as power query and VLOOKUPS.
- Created complex queries to highlight KPIs that measure the overall health of the business.

Projects

Google Business Reviews Analyzer - *Python, Scikit-learn, Anomaly Detection* - [Demo](#)

- Built a Streamlit app that fetches the newest 100 Google reviews via RapidAPI and is used to detect anomalous reviews.
- Used a tunable heuristic score plus an Isolation Forest model and a double-flag view coupled, with custom dictionaries and adjustable thresholds and weights to surface likely anomalies.

Certifications

- AWS Solutions Architect Associate
- AWS Cloud Practitioner
- AWS Developer Associate
- AWS AI Practitioner
- Google Data Analytics Professional Certification
- Google Program Management Professional Certification

Skills

- | | | |
|----------------------|------------|-------------|
| • Project Management | • SQL | • DBT |
| • Data Analytics | • Python | • Snowflake |
| • Excel | • AWS | • Airflow |
| | • REST API | • Git |

Education

Austin Community College, Austin TX- A.S. Computer Science

Relevant Courses - Data Structures & Algorithms

Austin High School, Austin TX- High School Diploma

Relevant Courses - AP Calculus BC, AP Computer Science Principles, AP Computer Science A, AP Macroeconomics, Keyboarding