TONY PENNOYER

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SKILLS

Languages & Frameworks: Python | SQL | LookML | Jinja

Tools: Snowflake | Airflow | Looker | Tableau | dbt | DataBricks | BigQuery | Git | Docker

Certifications: Snowflake SnowPro Core | Apache Airflow Fundamentals | dbt Fundamentals

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EXPERIENCE

DAS42
Associate Analyst - Full-Time

03/2022 - Present
New York, NY

- Staffed as an Analytics Engineer to HBO Max through DAS42, focused on automating leadership reports, building metric pipelines, and creating dashboards

- Helped scope and execute combined Discovery+ and HBO Max reports, by re-writing upstream models and standardizing core metrics

- Added country granularity on all HBO Max regional dashboards, leading to a ~30% decrease in send time of country level reports

- Used dbt to build data models incrementally, reducing build time of associated DAG by 72%

- Built performant Looker dashboards containing cohort analysis, periodic cancel rates, and other analysis

- Transitioned major KPIs to use new definitions and insure data quality following merger of Discovery+ and Warner Media

- Developed Airflow DAG to ingest financial forecast data from gsheets into our Snowflake data warehouse

- Monitored data pipelines, QAed data, and sent out leadership reports as part of on call duty

- Gathered requirements to deprecate legacy churn rate, resulting in airflow DAG running ~23% quicker

- Worked with LookML to bring in metrics from the aggregate layer to create performant Looker dashboards

Finch Insights, Inc.
Data Science Consultant - Contract

12/2021 - 03/2022
New York, NY

- Developed an ETL pipeline to transfer data from an Amazon API into a SQL database

- Wrote SQL queries to clean product descriptions, extract related products, and identify products with missing information

- Used NLP to identify key materials in Amazon listings that provided insight into their carbon footprint

- Worked with our lead scientist to refine data governance and our products scoring criteria

NYC Data Science Academy
Data Science Fellow

08/2021 - 12/2021
New York, NY

An Intensive Data Science program covering data analysis with Python, machine learning, SQL, and data visualization.

- Created a dashboard for the real estate company Stanley Martin Homes, to guide the pricing of their properties and provide further insight into zip code level data

- Delivered a Streamlit app that predicted values of different [renovation features](#) on houses in Ames Iowa

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EDUCATION

Bachelors of Arts, University of Michigan, Ann Arbor, MI

08/2014 – 04/2018

- Coursework on Calculus, Statistics, Computer Programming, and Linear Algebra