SAMUEL JAKSHTIS

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SUMMARY

Dynamic and results-driven Data Engineer/Scientist, with over 7 years of progressive experience in complex data analysis, predictive modeling, and financial data engineering. Proven expertise in designing and implementing machine learning models, building robust data pipelines, and leveraging advanced Python and SQL to extract actionable insights. Adept at transforming raw data into strategic solutions, including optimizing financial reporting and developing predictive algorithms for real estate. A natural storyteller, skilled in synthesizing complex analytical findings into coherent narratives for C-Suite executives and driving data-driven decision-making.

EXPERIENCE

Darwin Homes | Remote

Financial Data Engineer | August 2023 – PRESENT

- Designed and built robust data pipelines to support Finance and Accounting reporting needs, leveraging advanced SQL and Python for data extraction, transformation, and loading (ETL).
- Managed distributed data systems and orchestrated scalable ETL workflows using tools such as Airflow and dbt, ensuring data integrity and readiness for analytical and modeling purposes.
- Engineered analytics-ready datasets and created performant data models to drive business intelligence tools including Tableau, Looker, and Sigma, facilitating data exploration for predictive insights.
- Collaborated with Finance, FP&A, and Go-To-Market teams at a +$12B hedge fund, aligning data infrastructure with strategic business goals and informing quantitative financial performance analyses.

LandVest | Boston, MA

Project Manager & Consultant | August 2021 – August 2023

- Optimized data flows for enhanced reporting and collaborated with marketing teams to implement a quarterly magazine, driving client growth and development through visually compelling analytics.
- Provided ad-hoc consulting on financial performance metrics for diverse projects, delivering data-driven insights that supported strategic decision-making and improved project outcomes.

Doorkee | New York City, NY

Backend Engineer | June 2020 – August 2021

- Developed and implemented machine learning models to analyze pricing and movement trends in the NYC apartment market, utilizing Python, Pandas, and Scikit-learn.
- Built data pipelines to ingest, clean, and process large-scale real estate datasets for predictive modeling.
- Delivered optimized pricing algorithms that maximized rental yield and reduced vacancy rates across portfolios of 1,000+ units for property management firms, demonstrating direct business impact from data science solutions.
- Collaborated cross-functionally to modernize data workflows, improving operational efficiency and data accessibility through automation and scalable data infrastructure, supporting data science initiatives.

Education
Massachusetts Institute of Technology (MIT) | Cambridge, MA

- Master of Business Administration | June 2024 – May 2025

Macalester College | St. Paul, MN

- B.A., Economics, Data Science | August 2017 – May 2021
- GPA: 3.5

SKILLS
- **Programming Languages:** Python (Pandas, Scikit-learn), SQL, Javascript, R, SAS
- **Data Science & Analytics:** Machine Learning (Model Development & Implementation), Predictive Modeling, Statistical Analysis, Data Analysis, Trend Forecasting, Hypothesis Testing, Data Management, Quality Control.
- **Data Tools & Platforms:** Tableau, DBT, Airbyte, Looker, Google Cloud.
- **Financial & Domain Expertise:** Financial Modeling, Underwriting, Real Estate Industry Expertise.
- **Software:** Microsoft Office Suite, Google Suite.
- **Soft Skills:** Communication, Collaboration, Data Storytelling, Innovation, Problem-Solving.