

## Professional Summary

Results-driven Data Engineer with 2.5+ years designing and managing critical data systems in the airline industry using AWS, Snowflake (incl. Cortex LLMs), and Python. Led projects increasing revenue visibility by 15-25% and reducing compute costs by 40%. Currently pursuing an M.S. in Computer Science (Machine Learning focus) at Georgia Tech, seeking challenging Data/ML Engineering roles.

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## Experience

### Airlines Reporting Corporation, Arlington VA/Tampa FL

#### Data Engineer III

Jan 2025 - Present

- Spearheading the engineering for airline ancillary data MVP that tracks \$150B of airline revenue, which increases visibility on global airline revenue by 15-25%, which itself is steadily growing year by year
- Engineered novel airline brand data MVP; used GPT-4 to map features (113 brands/30 airlines); hit 95% mapping of 70% of tickets; created visibility in key data blindspot; secured 3 major airlines buy-in
- Streamlined customer report onboarding by 75% (from 8 to 2 weeks) by engineering 4 standardized, legally pre-approved, flexible report templates that caters to various customer needs
- Presented products in 32 demos to key stakeholders including directors, managers, and Snowflake engineers

#### Data Engineer II

Mar 2024 - Jan 2025

- Managed 1 business-critical data mart that is a dependency for 15% of the organization's revenue stream
- Engineered and automated a pipeline ingesting 50M+ records quarterly for the DB1B data mart, enabling critical auditing of carrier data submissions (impacting 15% of org revenue) against DOT requirements

#### Data Engineer I

Oct 2022 - Mar 2024

- Deployed 7 customer reports with various individual designs totalling almost \$400,000 in cumulative revenue
- Supported production for 5 data marts and 19 customer reports; improved data quality for 5-10% of customer records by mining a 33T row data mart (13-year history); and reduced Snowflake compute cost by a net 40% by downsizing warehouse size while still meeting SLAs

### Vassar College Student Employment, Poughkeepsie NY

#### Coach (Teaching Assistant)

Jan 2020 - May 2020

- Mentored 24 Software Design and Implementation students with Java both in-person and remote (pandemic)

### Nashville Entrepreneur Center, Nashville TN

#### Program Intern

Jun 2021 - Aug 2021

- Automated data collection and processing for a database of 32K+ data points with an Apps Script webapp
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## Projects

#### Streamlit Chatbot

Jun 2024

- Developed secure RAG LLM chatbot POC (Cortex & Streamlit) querying internal documents (PDF)

#### VassarHacks.org Hackathon

Aug 2020 - May 2022

- Founded 2 hackathons; led 21 organizing members to get 17 teams, 100+ attendees, \$3.5K budget, \$2K prizes
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## Education and Professional Development

#### Master of Science in Computer Science, Georgia Institute of Technology

Jan 2025 - Present

- Machine Learning for Trading, Knowledge-based Artificial Intelligence (AI Agents)

#### Snowflake Summit

Attended Jun 2024, Jun 2025

#### SnowPro Core Certification

Completed Feb 2024

#### AWS re:Invent

Attended Nov 2023

#### Bachelor of Arts in Computer Science (3.69/4.00), Vassar College

Graduated May 2022

- Database Systems, Artificial Intelligence, Computer Organization, Data Structures & Algorithms, Statistics
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## Skills

**Engineering:** AWS S3, Lambda, CloudWatch | Snowflake, Streamlit, Ab Initio | SQL | Scrum, Jira, Confluence

**Artificial Intelligence:** SF Cortex LLMs, Prompt Engineering, ML, Python, Numpy, Pandas, Matplotlib

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## Interests

**Chess Puzzles:** peak rating of 2662 (99th percentile)

