

## 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%, reducing compute costs by 40%; streamlining customer onboarding by 75%. Currently pursuing an M.S. in Computer Science (ML 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 requirements totalling almost \$400K in 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**, 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**

- Eliminated ~2 hrs/week manual data entry by automating 32K+ row spreadsheet processing via Apps Script
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## Projects

### Streamlit Chatbot

**Oct 2024**

- Earned 2nd place (of 12 teams) in internal coding competition judged by senior leadership (VPs/MDs)
- 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:** Python, ML, Numpy, Pandas, Matplotlib, SF Cortex LLMs, Prompt Engineering

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## Interests

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

