

David David

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Experience

Airlines Reporting Corporation

Data Engineer III

Jan 2025 - Present

Data Engineer II

Mar 2024 - Jan 2025

Data Engineer I

Oct 2022 - Mar 2024

- Leading the engineering for airline ancillary data that tracks \$150B of airline revenue, which increases revenue visibility by 15-30%
- Led the engineering for airline brand data that maps comparative metrics pulled from GPT-4 for 30 airlines totalling 113 fare brands that account for 70% of airline-contributed tickets with a 95% mapping rate per airline
- Managed 1 business-critical data mart that is a dependency for 15% of the organization's revenue stream
- Engineered 1 data mart pulling from 72 fields and 50M records per quarter, and automated pipeline to ingest DB1B data from Department of Transportation (DOT)
- 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 that include data research, airline policy compliance, and cost & performance optimization
- Presented products in 32 demos to key stakeholders including directors, managers, and Snowflake engineers

Vassar College Student Employment

Coach (Teaching Assistant)

Jan 2020 – May 2020

- Mentored a Software Design and Implementation class of 24 students to cover foundational skills in Java

Nashville Entrepreneur Center

Program Intern

Jun 2021 – Aug 2021

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

Projects

Data Engineer, Streamlit Chatbot

Jun 2024

- Built an RAG-based LLM chatbot with Snowflake Cortex and Streamlit that takes in enterprise data from unstructured sources like PDFs and structured sources like Snowflake tables

Lead Organizer, VassarHacks.org Hackathon

Aug 2020 – May 2022

- Founded and hosted 2 hackathons with 21 team members, 100+ attendees, \$3.5K budget, and \$2K prize pool

Education

Master of Science in Computer Science, Georgia Institute of Technology

Expected Dec 2027

Courses: Machine Learning for Trading

SnowPro Core Certification, Snowflake Inc.

February 2024

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

Graduated May 2022

Skills

AWS: S3, Lambda, CloudWatch, DynamoDB, Eventbridge, SNS, ECS

Engineering: AWS, Snowflake, Streamlit, Tableau, Ab Initio, xMatters, ServiceNow | Snowflake Cortex LLMs, Machine Learning | SQL, Python, Terraform, R, Apps Script, C++ | Scrum, Jira, Confluence

Interests

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

