

## David David

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### Experience

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#### Airlines Reporting Corporation

##### Data Engineer III

Jan 2025 - Present

- Leading the engineering for airline ancillary data that tracks \$150B of airline revenue, which increases visibility on global airline revenue by 15-25%, which itself is steadily growing year by year
- 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
- 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 1 data mart pulling from 72 fields and 50M records per quarter, and automated pipeline to ingest DB1B data from Department of Transportation (DOT)

##### 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 that include data research, airline policy compliance, and cost & performance optimization

### Projects

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##### GetSmartSAT.com

Mar 2025 – Present

- Currently building an ITS that adapts difficulty to optimize the learning curve of students studying for the Math SAT
- Architecting the system to utilize Google's Gemini LLM for question generation, SymPy for solution generation, and reinforcement learning for personalized difficulty scaling

##### Streamlit Chatbot

Jun 2024

- Built an RAG-based LLM chatbot with Snowflake Cortex and Streamlit that answers questions involving enterprise knowledge from unstructured sources like PDFs

##### VassarHacks.org Hackathon

Aug 2020 – May 2022

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

### Education

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

Jan 2025 – Present

- Machine Learning for Trading

##### SnowPro Core Certification

Feb 2024

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

Graduated May 2022

### Skills

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**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

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

**Education:** Intelligent Tutoring Systems, Inclusive Education, Adaptive Learning