

Daniel Thompson

Aviation Data Analyst

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SUMMARY

Passionate data analyst dedicated to extracting valuable insights in the aviation industry. Over two years spent enhancing analytics capabilities at Skyward Analytics by collecting, analyzing, and visualizing aviation data. Proficient in SQL and various data visualization tools, transforming raw data into meaningful narratives that inform business decisions. Strong collaboration with cross-functional teams, effectively presenting analytical findings to stakeholders. Committed to continuous professional growth and delivered actionable recommendations that drive strategic initiatives.

EXPERIENCE

Data Analyst

Skyward Analytics 📅 June 2021 - Present 📍 Chicago, IL

Responsible for collecting and analyzing a diverse array of aviation data to provide insights crucial for business strategies. Developed databases ensuring efficient data storage and retrieval, fostering better operational decisions.

- Collected and coordinated multimodal aviation data for insightful analysis, leading to key strategic recommendations.
- Developed comprehensive relational databases, significantly improving the efficiency of data access and reporting.
- Collaborated closely with marketing and operations departments, creating effective presentations through data visualization tools.
- Conducted rigorous assessments of data quality, ensuring accuracy and reliability across all reporting processes.

Intern Data Analyst

AeroTech Solutions 📅 June 2020 - May 2021 📍 Chicago, IL

Supported data analysis activities, assisting in the collection and evaluation of operational performance metrics within the aviation sector.

- Assisted in compiling datasets from various sources, contributing to valuable trend analyses.
- Engaged with cross-departmental teams to clarify data needs, boosting collaborative efficiency.
- Gained hands-on experience applying analytical methodologies and crafting insightful reports.
- Learned best practices in data visualization, strengthening skills in conveying complex information succinctly.

Research Assistant

University of Illinois at Chicago 📅 September 2019 - May 2020 📍 Chicago, IL

Engaged in academic research focused on data-driven decision-making, supporting faculty investigations in data analytics.

- Conducted extensive literature reviews to support project hypotheses on data trends.
- Enhanced proficiency in using SQL and data visualization tools as part of the research methodologies.
- Collaborated with students and professors to develop comprehensive presentations based on research findings.
- Contributed to writing papers for publication, cultivating academic writing and communication skills.

PROJECTS

Aviation Industry Analysis 📅 January 2023

Led a key project examining factors influencing flight delay patterns using large datasets, providing critical insights for operational improvements.

LEADERSHIP & AWARDS

- Dean's List, University of Illinois at Chicago
- Excellence in Data Analysis Award, AeroTech Solutions

EDUCATION

Bachelor's Degree in Data Science

University of Illinois at Chicago 🎓 GPA: 3.8 📅 2021 📍 Chicago, IL

Coursework: Statistics, Database Management, Predictive Analytics, Data Visualization

CERTIFICATIONS

- Certified Data Analyst (CDA) 📅 2022
- SQL Certification 📅 2021

TECHNICAL SKILLS

- **Data Analysis Tools:** Excel, R, Python

- **Visualization Tools:** Tableau, Power BI
- **Database Technologies:** MySQL, PostgreSQL
- **Programming Languages:** Python, R
- **Collaboration Tools:** Slack, Microsoft Teams
- **Reporting Tools:** Google Analytics, SQL Server Reporting Services
- **Statistical Software:** SPSS, SAS
- **Data Management Techniques:** ETL Process, Data Warehousing
- **Workflow Tools:** Asana, Trello
- **Communication Platforms:** Zoom, Webex

SKILLS

- SQL
- Data Visualization
- Data Analysis
- Microsoft Excel
- Tableau
- Cross-Functional Collaboration
- Database Management
- Statistical Analysis
- Data Cleaning
- Trend Analysis
- Presentation Skills
- Report Writing
- Team Leadership
- Project Management
- Time Management
- Problem Solving

PROFESSIONAL AFFILIATIONS

- Member, Society for Industrial and Applied Mathematics
- Volunteer, Local Non-Profit Data Literacy Initiative

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST