

William Browning

EDUCATION

Bachelor's of Science in Computer Science, 2nd Major in Math – *University of Memphis*

Aug 2022 – May 2026, **GPA 3.82**

EXPERIENCE

FedEx Express, Memphis, TN – *Air Operations Co-Op II*

June 2025 – May 2026

- Developed AI-driven analytics and decision-support tools to improve operational efficiency and decision making within Air Operations.
- Built data pipelines and performed data engineering tasks to ingest, clean, and transform large operational and maintenance datasets
- Designed and implemented interactive dashboards and visualizations to surface reliability trends, performance metrics, and actionable insights for stakeholders
- Created lightweight web-based tools and internal applications to deliver data products to end users in an accessible, self-service format.
- Collaborated with engineers, analysts, and operations personnel to translate business and operational problems into data-driven solutions.
- Streamlined manual workflows through automation and analytics, reducing analysis time and improving decision-making accuracy

Center for Information Assurance, Memphis, TN – *Project Member*

March 2025 – May 2025

- Supported development of a deep learning-based autonomous driving system for an R/C vehicle.
- Presented weekly updates and problems to professors and project mentor

PROJECTS

AI AMM Audits – *FEDEX, AIR-OPS*

- Created a tool that leverages the power of AI using a database of prompts to dynamically search for incorrect Aircraft Maintenance Manual (AMM) reference codes.
Tools used: Python, Databricks(SQL, AI_GEN), PowerBI

Ground Time Weather – *FEDEX, AIR-OPS*

- Pulled in hourly NOAA weather data using FTP/API and engineered the data with flight data to study the long term impact weather has on the aircraft and their components.
Tools used: Python, Databricks(SQL, AI_GEN), PowerBI

LANGUAGES/APPLICATIONS

Python | SQL | Spark | Databricks | PowerBI | PowerApps | Angular | Azure | Rails | Ruby | Javascript
CSS | HTML | Teams | Outlook | Word | PowerPoint | Excel | DAX | PowerQuery | UNIX/CLI |

CONCEPTS

Prompt Engineering | RAG/Vector Embeddings | Classification | Data Scheduling/Pipelining | REST API's