

Noah Williams

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EDUCATION

Georgia Institute of Technology

Bachelor of Science in Industrial Engineering

Atlanta, GA

Aug 2023 – May 2027

Relevant Coursework: Operations Research, Supply Chain Management, Data Analytics, Optimization, Machine Learning, Statistics

GPA: 3.87/4.0

TECHNICAL SKILLS

Languages and Technologies: Python, R, SQL, MATLAB, Java, TensorFlow, Tableau

Tools and Frameworks: Git, Docker, AWS, Jupyter Notebook, Excel, Simulink

PROJECTS

Supply Chain Optimization Platform | Python, SQL, Tableau

- Developed a platform to optimize supply chain logistics for manufacturing firms
- Implemented machine learning models to predict demand and reduce inventory costs
- Created interactive dashboards for real-time supply chain monitoring

Warehouse Robot Navigation System | Python, ROS, OpenCV

- Built an autonomous robot for warehouse inventory management
- Integrated computer vision for object detection and path planning
- Conducted field tests to validate system efficiency and accuracy

Process Optimization Tool | R, Shiny, MATLAB

- Designed a tool to optimize manufacturing processes using statistical analysis
- Implemented predictive models to reduce production downtime by 20%
- Presented findings at a regional industrial engineering conference

WORK EXPERIENCE

Operations Research Intern

Delta Air Lines

Jun 2023 – Aug 2023

Atlanta, GA

- Optimized flight scheduling and crew allocation using linear programming
- Developed predictive models to improve on-time performance
- Collaborated with cross-functional teams to implement process improvements

Data Analyst Intern

Home Depot

May 2022 – Aug 2022

Atlanta, GA

- Analyzed sales data to identify trends and optimize inventory management
- Developed dashboards for visualizing key performance metrics
- Presented insights to senior management for strategic decision-making