

# Ty M. Spanbauer

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## **SKILLS & TOOLS**

▪ Microsoft Excel ▪ Data Analysis & Visualization ▪ Data Cleaning & Validation ▪ Risk Analysis ▪ SQL ▪ Statistical Modeling ▪ Tableau ▪ Python ▪ Geospatial Analysis ▪ Dashboards & Reporting ▪ QGIS ▪ R ▪

## **EDUCATION**

### **Georgia Institute of Technology**

Master of Science in Analytics

*In Progress*

### **Clemson University**

Bachelor of Science in Management

Concentration in Business Analytics

Minor in Electrical Engineering

May 2023

Dean's List Fall 2021, Fall 2022

## **WORK EXPERIENCE**

### **Logisticus Group**

*Routing & Planning Analyst*

(Greenville, SC | Nov 2024 – Present)

- Analyze geospatial datasets using QGIS, Google Earth, and AutoCAD Civil to identify and validate route feasibility for super-loads, typically wind turbine blades and transformers
- Collect and process orthomosaic drone imagery (FAA Remote Pilot Certificate) to enhance turning-movement simulations and provide aerial visualization for feasibility studies.
- Produced 18+ data-driven reports advising customers and engineers on routing risks, recommended civil improvements, and cost impacts; discussed results in 10+ client facing review calls.
- Clean and maintain data powering Power BI dashboards, ensuring accuracy of historical routing data and component delivery records across North America; leverage dashboards to aid project routing and reference historical reports.

### **ACO Medical Supply**

*Medical Billing Associate*

(Remote | October 2023 to November 2024)

- Accessed and navigated EpicCare and athenahealth databases to extract, validate, and submit patient billing data ensuring accuracy and reducing claim processing errors.
- Utilized electronic health records to manage patient information, billing data, and track claims.

### **RMF Engineering**

*Electrical Engineering Co-op*

(Charleston, SC | Fall Semester 2020 and Summer Semester 2021)

- Collaborated with engineers to revise and update 3D CAD models, ensuring accuracy of electrical, fire, and safety system designs under strict client deadlines.

## **PROJECTS**

### **GLO-BUS Global Business Strategy Simulator**

- Competed in an online head-to-head competition against companies run by almost 3000 other teams from over 150 colleges and universities worldwide. Companies must make decisions related to R&D, component usage, product performance, product line breadth, production operations, work force compensation, outsourcing, pricing, sales and marketing, finance, corporate citizenship, and social responsibility.
- Awarded Overall Game-To-Date Score Global Top 100 Performances (3 times)