

ALLIE ENGINEER

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EDUCATION

Bachelor of Science in Industrial and Systems Engineering (Concentration: Analytics and Data Science) **December 2025**
University of Florida, Gainesville, FL | **GPA: 4.00/4.00**
Osnabrück University, **UF Study Abroad Program**, Osnabrück, Germany **May 2023 – August 2023**

TECHNICAL SKILLS

Programming & Data Analysis: Python (Pandas, NumPy, Gurobi), SQL, R, VBA, Oracle, VB.NET
Data Visualization & Engineering Tools: Tableau, Power BI, Google Data Studio, Microsoft Excel (Pivot Tables, Macros), Arena, Simio, SolidWorks, AutoCAD, MATLAB
Software & Productivity: Microsoft Office Suite (Excel, Word, PowerPoint, Access), Microsoft Project, Visio, RStudio
Certifications: Lean Six Sigma Green Belt, Lean Six Sigma Black Belt

CLASS PROJECTS

Database Systems Team Project | Generic Class | University of Florida – Gainesville, FL **June 2021 - July 2021**

- Designed and developed a system to monitor **drone deliveries** of grocery items to customers.
- Built and optimized a relational database using MySQL and Oracle to manage order tracking and logistics.

Data Input & Manipulation Final Project | Generic Class | University of Florida – Gainesville, FL **November 2020**

- Scraped and analyzed **HTML, API, and CSV data** to study the impact of CO2 levels on **ice coverage and landslides**.
- Applied **statistical analysis techniques** to uncover correlation trends and presented findings in a **Tableau dashboard**.

PROFESSIONAL EXPERIENCE

Operations & Supply Chain Intern **May 2023 – Present**
UPS | Gainesville, FL

- Optimized warehouse inventory flow, reducing processing time by **18%** through process improvement initiatives.
- Developed **Tableau dashboards** to monitor package distribution trends, identifying bottlenecks and optimizing efficiency.
- Automated logistics reporting using Python, SQL, and VBA, reducing manual data entry by 40%.

Process Improvement Co-op **August 2022 – December 2022**
Exactech | Gainesville, FL

- Conducted time studies and workflow analysis to **enhance production efficiency by 22%**.
- Designed and implemented a **VBA-based reporting tool**, streamlining daily performance tracking for manufacturing teams.
- Assisted in implementing **Lean Six Sigma strategies**, reducing material waste in the orthopedic device production line.

Data Analytics Intern **May 2022 – August 2022**
UF Health Shands Hospital | Gainesville, FL

- Analyzed patient flow data to optimize scheduling processes, improving efficiency in high-traffic departments.
- Built a **Google Data Studio dashboard** to visualize hospital resource allocation trends, aiding executive decision-making.
- Developed SQL-driven Power BI dashboards for hospital resource allocation, supporting executive decision-making.

LEADERSHIP & INVOLVEMENT

Vice President of Analytics **January 2023 – Present**
Institute of Industrial & Systems Engineers (IISE) | Gainesville, FL

- Organized **data-driven workshops** and networking events for **100+ students** to bridge academic learning and industry practices.
- Developed and led a **Power BI training session**, helping students apply business intelligence tools to real-world problems.

Consulting Project Lead **August 2022 – May 2023**
Gator Consulting Club | Gainesville, FL

- Led a **team of 5 consultants** in analyzing operational inefficiencies for logistics firm, presenting cost-saving solutions.
- Developed **data models in Python** to predict demand fluctuations, improving forecasting accuracy by **15%**.

Mentor & Workshop Facilitator **January 2022 – December 2022**
Society of Women Engineers (SWE) | Gainesville, FL

- Conducted resume reviews and mock interviews, assisting **30+ engineering students** in securing internships.
- Organized a **STEM career panel** with industry professionals to discuss career pathways in industrial engineering.