

# JOSEPH GEIBIG

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## EDUCATION

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### GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA

#### Master of Science in Analytics

May 2023

- Track: Computational Data Analytics
- Coursework: Visualization, Machine Learning, Cloud Computing, Data Mining, NLP, Text Mining, Deep Learning

### UNIVERSITY OF TENNESSEE, KNOXVILLE

Knoxville, TN

#### Bachelor of Business Analytics

May 2022

- Global Leadership Scholar
- Minor: Environmental Studies
- Truist Emerging Leaders Certification

## SKILLS

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**Programming:** Python, R, SQL, PostgreSQL, JavaScript

**Software:** AWS, GaBi, JMP, OpenRefine, Azure, GCP, Hadoop, Spark, Microsoft Access, SEEQ

**Visualization:** Tableau, ggplot, Shiny Dashboards

**Analytical Techniques:** Machine Learning, Regression Analysis, Clustering, Time Series Analysis, Sentiment Analysis, Feature engineering, Data mining, Text Mining, Optimization, Deep Learning and Neural Networks

## EXPERIENCE

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### International Paper

Atlanta, GA

#### Manufacturing Data Scientist

May 2022 – Present

- Lead data science initiatives to revolutionize factory data collection systems and hardware integration with models
- Reduce manufacturing cost and improve product quality across the enterprise by applying advanced analytics tools and data science techniques, utilizing Python, R, SQL, JavaScript, and various Azure tools
- Integrate data from several different sources, such as Aveva PI Data archive tools, SQL databases, SEEQ software, and SAP
- Collaborate with subject matter experts, project teams, data analysts, and various mill leaders to develop analytical models

### Alva Group

London, UK

#### Data Analyst Intern

March 2020 – May 2020

- Created weekly Covid-19 data reports detailing various companies' early responses to Coronavirus for newsletter
- Worked closely with Lloyd's banking group and Ageas to solidify competitive advantage in COVID-19 response
- Wrote annual report for Blackrock Group detailing yearly performance and gave suggestions for improvement

## PROJECTS

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For more information about each project and to see more projects, please visit my website at the link provided above.

### Low-Selling SKU Prediction Engine – Best Buy

Jan 2023

- Using a Random Forest, forecasted next week of sales for hundreds of low selling SKUs
- Won competition against 20 other teams of Masters of Analytics students
- Project now used by Best Buy to predict thousands of low slow selling SKUs

### Flight Cancellations Analysis – School Project

Nov 2022

- Built an interactive Tableau Dashboard that allows users to examine factors that contribute to flight cancellations

### "Where Should You Live?" Tool – School Project

Nov 2022

- Utilized K-Nearest Neighbors model to allow users to explore aspects of living in over 1000 cities across the US
- Built website using D3 for ease of use by end users