

JOSEPH GEIBIG

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA

Master of Science in Analytics

May 2023

- Tracks: Computing
- 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

Programming: Python, R, SQL, PostgreSQL

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

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

Ecoform

Knoxville, TN

Life Cycle Analysis house focusing on conducting Life Cycle analyses for contracted companies, as well as reviewing these documents for conformance to regulatory documents

Life Cycle Analyst Intern

July 2020 – Present

- Analyze life cycle data for a variety of products, including roof coatings, furniture, concrete, and computers
- Write environmental reports for many industry leaders, including the Roof Coatings Manufacturing Association and National Instruments
- Review environmental statements for conformance to regulatory documents
- Assist companies with data collection across product lifespans

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

Low-Selling SKU Prediction Engine (Project Source: Best Buy, Masters Program)

Jan 2023

- Generate report for Best Buy Data Science Department determining the best way to forecast many individual SKUs over the next week to determine necessary inventory levels
- Dataset provided included 5 years of data on 575 different low selling SKUs, totaling over 800,000 rows of data
- Machine Learning conducted through Python; Regression-based Random Forest using lags and differences determined to be best model
- Model provided to Best Buy and was determined to be best model submitted during the competition. The model we submitted will be used by Best Buy in the future to predict their sales of these low-selling SKUs.