JOSEPH GEIBIG

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EDUCATION

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

SKILLS

Programming: Python, R, SQL, PostgreSQL, JavaScript
Software: AWS, GaBi, JMP, OpenRefine, Azure, GCP, Hadoop, Spark, Microsoft Access, SEEQ, PySpark
Visualization: Tableau, Plotly, Shiny Dashboards, Taipy
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

International Paper   **Atlanta, GA**
Manufacturing Data Scientist   *May 2023 – Present*
- Lead and deliver data science initiatives focusing on transforming factory data collection systems and optimizing hardware integration with machine learning models
- Direct the application of advanced machine learning models to reduce manufacturing cost and improve product quality across the enterprise, leading to millions of potential savings
- Develop data connectors for myriad data sources, including SQL databases, SEEQ software, SAP, Azure Databases, and PI data archive tools
- Facilitate teamwork between diverse teams to streamline development of process-applicable models
- Orchestrate weekly workshops to enhance data analysts' skill sets, focusing on data visualization and basic machine learning techniques, increasing the team's data-driven decision-making abilities
- Compose documentation for use of Azure tools, in-house data connectors, and other software used by the data analytics team for quicker onboarding of future employees
- Analyze and develop models utilizing advanced statistical techniques and thousands of data points taken from the manufacturing process

Ecoform   **Knoxville, TN**
Life Cycle Analyst Intern   *May 2020 – May 2023*
- Designed systems to assist companies in data collection and management
- Collaborated closely with industry leaders to determine environmental impacts of products
- Analyzed Life Cycle data for a diverse range of products, such as roof coatings, furniture, and computers, identifying avenues for improvement
- Wrote Life Cycle Assessments and Environmental Product Declarations for industry leaders, including National Instruments and the Roof Coatings Manufacturer's Association

PROJECTS

Low-Selling Product Prediction Engine – Best Buy   *Jan 2023*
- Forecasted next week of sales for hundreds of low selling SKUs in the Best Buy catalog
- Won competition against 20 other teams of Masters of Analytics students

Flight Cancelations Analysis – School Project   *Nov 2022*
- Engineered a cutting-edge interactive Tableau Dashboard that enabled users to identify key factors influencing flight cancellations and make data-driven decisions for flying

City Similarity Tool – School Project   *Nov 2022*
- Implemented K-Nearest Neighbors model to allow users to explore aspects of over 1000 cities across the US
- Built website using D3.js for ease of use by end users

First Care Medical Center – School Project   *May 2021*
- Designed relational database for medical services company so hundreds of end users can access and interact with data
- Produced database and front-end interface using SQL and Microsoft Access