# 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