

Liam McElhaney

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Raleigh, NC

Summary

Hardworking, motivated, and well-tooled Data Engineer. Always eager to further my skills in analytics, engineering, and ML as well as learn new skills. My well-developed background in computer science propels me forward into the digital frontier, and my keen analytical skills help bring results-driven solutions to modern problems throughout the workplace.

Experience

Senior Data Engineer

Bonterra

08/2022 - Present

- Designed Extract, Transform, and Load pipelines using Azure Data Factory and Microsoft SQL Server to build and scale the company aggregated data warehouse
- Built a new testing platform from the ground up, designed to create dynamic unit tests written in native SQL and deployed to the cloud testing service. From there, quality assurance engineers were able to write tests to monitor the health and quality of the data
- Lead the effort to start the transition from an outdated data warehousing model to a modern data lake model by enforcing a modern data partitioning system on the azure blob storage data lake

Data Engineer

Dupont • Charelston, SC

02/2022 - 08/2022

- Worked with departments across the company, including marketing and project management, in developing new ideas, initiatives, products, and services
- Used delta lake technology on the Azure tech stack to create dynamic data pipelines to extract, transform, and load crucial company data, and make it available to scientists, analysts, and stakeholders alike
- Co-created and maintained a company-wide library with useful PySpark and Pandas functions used in several different projects. Developed a state of the art logging library for tracking a multitude of different vital data systems across Duponts network

Customer Data Analyst

Dentsply Sirona • Charlotte, NC

08/2021 - 01/2022

- Develop intuitive PowerBI reports on various business sectors, enabling stakeholders to make decisions backed up by market data, without having to dig deep in to excel files
 - Worked along side data science team to develop targeted lead lists, leveraging the combined power of business logic and machine learning models, often leading to sales lifts of 60-80% per product
 - Performed day to day ad-hoc data pulls, ranging from retrieving validated emails from a modeled customer cluster, to performing pre-post analysis of marketing campaigns, all which enabled crucial business operations
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Skills

SQL, Spark, PySpark, Python, Machine Learning, ETL (Extract Transform Load), Data engineering, Power BI, Tableau