

MOYO AJAYI

Senior Data Scientist

907.306.2651 ♦ moyo.ajayi.ds@gmail.com

RELEVANT EXPERIENCE

Bridgestone Senior Data Scientist	August 2022 - Present Denver, CO
<ul style="list-style-type: none">· Automated Classification of Customer Reviews<ul style="list-style-type: none">· Developed an NLP and LLM model system to collect, classify, and deliver >100k reviews to stakeholder· Leaped ahead of previous process and simple sentiment classification by building a collection of transformer-based models that work in concert to provide deterministic predictions of customer feedback across ≥ 16 actionable categories· Contributions served as the essential data modeling link in a product development chain for a \$5M per item process· Corporate Intelligence Retrieval Augmented Generation (RAG) Application<ul style="list-style-type: none">· Constructed and Deployed RAG model to facilitate efficient strategic planning at the corporate level· The RAG model involved the collection of exclusive documents that required several iterations of retrieval, LLM exploration, and evaluation system development· Bridgestone GPT<ul style="list-style-type: none">· Collaborated with other data scientists and machine learning engineers to introduce a secure chat service as an alternative to the company-banned ChatGPT· Powered a user friendly interface with several options of the GPT LLMs secured on our tenant· The productionalized application allows scores of teammates to submit queries to the underlying LLM in order to ideate, generate, and promote a suite of creative and efficient tasks and goals	
ERM, Inc. Data Scientist	May 2021 - July 2022 Denver, CO
<ul style="list-style-type: none">· Global Climate Forecasting Reporting Tool<ul style="list-style-type: none">· Developed multi-layered tool to query, quantify, and automatically report current and projected data for a financial institution and its agribusiness assets· Utilized advanced modules to programmatically organize data queried from global climate models into concise and dynamic reports· Semi-Supervised Learning to Optimize Practices at Large Peruvian Copper Mine<ul style="list-style-type: none">· Drastically reduced manual workload and provided client with predictive model framework to enhance mine performance· Employed non-linear dimension reduction (UMAP) and unsupervised ML methods (e.g., HDBSCAN) to effectively compress high-dimensional geochemical data into meaningful clusters	

EDUCATION

PhD in Environmental Engineering Vanderbilt University, Nashville, TN	2016 - 2024
MS in Earth & Environmental Sciences Vanderbilt University, Nashville, TN	2014 - 2016
Bachelor's in Environmental Biology (with concentration in Earth Science) Columbia University, New York, NY	2010 - 2014

TECHNICAL SKILLS & EXPERIENCE

Programming	Python: PyTorch, HuggingFace Suite, Scikit-Learn, Git
Data Management	Cloud Computing (AWS), Databricks (Apache Spark & SQL), User-Interface (e.g. Streamlit)
Algorithms	Text Generation with Large Language Models (Open and Closed Source), Supervised Classification & Regression (i.e., LGBM), Unsupervised Clustering: UMAP , HDBSCAN