Matthew Paley

Cleveland, OH | E-Mail: matthewpaley@gmail.com

Skills

- Python, R, SQL, NoSQL, NLP, Machine Learning, Git, Hex, Power BI, Tableau, Azure ML

Work Experience

Greenhouse Software   **Remote**

Data Scientist IV   Dec 2023 – Present
- Designing a series of job post standardization models to vectorize job post text, enabling new product innovation — semantic search, job similarity analysis, and candidate-to-job matching

Data Scientist III   Nov 2022 – Dec 2023
- Spearheaded the implementation of a cutting-edge job classification system utilizing GPT-2, NLP, and clustering techniques. Led a cross-functional team of technical and non-technical departments, resulting in the deployment of 32 models that actively drive product enhancements and enable in-depth research and analysis of 10 million+ jobs.
- Applied geoparsing with Python to fill in gaps in over 40% of our office location dataset
- Migrated 30+ Hex reports from Redshift to Snowflake, ensuring a smooth transition for stakeholders

Data Scientist II   Nov 2021 – Nov 2022
- Conducted experimentation and A/B testing to increase user engagement with new product features
- Developed a self-service analytics prototype using Python and Streamlit, empowering Product Managers to intuitively understand adoption metrics of 12+ product features
- Worked directly with product teams to ensure OKRs and the product vision were data-driven

DHL Supply Chain   **Columbus, OH**

Data Scientist   Nov 2019 – Nov 2021
- Built and productionized classification model in R and Azure Machine Learning to predict inventory discrepancies in warehouse, leading to over $500,000 saved in four months
- Analyzed 2020 recruiting and marketing in R and Power BI to develop 2021 targeted marketing plan
- Implemented time series forecasting in Python to determine future volume demand and labor needs
- Designed model in R to predict associate turnover and identify the factors contributing to turnover

Business Data Analyst   Jul 2018 – Nov 2019
- Provided startup support and established reporting capabilities at new warehouses around the country
- Developed and maintained automated reporting tools in Excel with VBA
- Implemented market basket analysis in R to assist with product slotting in warehouse
- Assembled labor plan and assisted finance team in modeling $11 million labor budget

Business Data Analyst Intern   May 2017 – Aug 2017
- Built machine learning model to predict whether an associate will get hired for peak season
- Constructed simulation model in R to optimize warehouse efficiency

Projects

Sportsmind AI

Chief Data Officer   Sep 2023 – Present
- Sole data professional at Sportsmind AI, managing end-to-end data operations, including data collection, data aggregation, and data storage for the fantasy football app

NBA Hackathon   **New York, NY**

Basketball Analytics Track Participant   Sep 2017
- Analyzed 20 years of NBA play-by-play data in R to develop a new in-game rule about free throws
- Constructed model to accurately track and predict when "runs" will occur in a game

Education

The Ohio State University   **Columbus, OH**

Max M. Fisher College of Business
- Bachelor of Science in Management Information Systems
- Minor: Business Analytics