Nigel Story
Data Science | ML Engineering | nigelstory.com

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Professional Summary

Experienced Data Scientist with a proven track record of leadership and value-added innovation. Skilled at decision making, strong analytical thinking, and adept problem solving. Practitioner of effective, explainable, and repeatable ML.

Experience

Data Scientist   **October 2022 - Present**
Tennessee Valley Authority   *Chapel Hill, NC (Remote)*
- Developed LLM-based few-shot contract classification model in conjunction with Financial Operations, saving an estimated 3,000 hours annually.
- End-to-end training and deployment of large-scale NLP models, decreasing workload of Nuclear Fleet by over 3,180 hours annually.
- Built Graph ML anomaly detection model to detect shifts in large infrastructure based on sensor mesh, averting catastrophic failures.
- Optimized big data Spark pipelines in Databricks (>100GB/day) in partnership with Customer Analytics, reducing runtimes by ~80%.
- Pioneered first RAG application, proving out the ability to deploy user-facing AI models in a secure and governable way.

Data Science Team Lead   **December 2021 – September 2022**
ThriveDX   *Chapel Hill, NC (Remote)*
- Technical Lead on high company priority machine learning/AI initiatives.
- Designed A/B testing that resulted in increased conversion and over $1M of additional revenue per cohort cycle.
- Developed student risk assessment model, exposing over $2M of risked revenue per cohort cycle.
- Created job recommender system, utilizing NLP methods to match graduates with employers.

Full-Stack Data Scientist   **May 2021 – December 2021**
IntraHealth International   *Chapel Hill, NC*
- Lead developer for the READI system, delivering analytics to healthcare systems in developing countries.
- Created OCR application to ingest hand-written patient records and convert them to actionable data sets.
- Built Power BI reports to be presented to government agencies, including USAID and PEPFAR.
- Constructed Azure enterprise data warehouse solution from the ground up.

Staff Data Analyst, Machine Learning & Data Engineering   **February 2018 – May 2021**
Cos Bar Retail, LLC   *Los Angeles, CA*
- Developed Product Recommendation System, improving sales associates' ability to actively sell.
- Implemented new forecasting methods driving better decision making in finance and inventory planning.
- Built machine learning application to identify promising real estate opportunities.
- Pioneered Cross-Platform Data Integration project, building ETL pipelines to combine data from hosted services.

Computational Skills

Programming Languages
Python, R, SQL, JavaScript, PHP, BASH (Linux/Unix), HTML, CSS, NoSQL

Technologies
Sci-Kit Learn, PyTorch, TensorFlow, Keras, Apache Spark, Langchain, Azure, AWS, Dataiku, Power BI, Tableau

Education

B.S. Statistics and Analytics | *University of North Carolina at Chapel Hill*   *Chapel Hill, NC*