

NAM TRAN

Winston Salem, NC (Open to relocation)

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EDUCATION

Wake Forest University, M.S. in Business Analytics | GPA: 3.93 May 2024

SUNY New Paltz, B.S. in Business Analytics and Finance | GPA: 4.0 (Major) | 3.88 (Cumulative) May 2023

Honors: Outstanding Graduate Award, Outstanding Service Award, SOB Academic Award, National Test High Achiever Award

AREAS OF EXPERTISE

Data Analytics | Data Management | Visualization | Business Consulting | Machine Learning | Generative AI | Financial Analysis

TECHNICAL SKILLS

Technical Tools: Excel, R, Python, SQL, SAS, Tableau, Power BI, Alteryx, Git, GitHub, Docker, Linux, Powershell/Bash

Machine Learning Frameworks: Supervised/Unsupervised learning, Cluster analysis, Scikit-learn, Tidymodels, TensorFlow, PyTorch

Big Data Technologies: AWS, Google Cloud, Microsoft Azure, OpenAI, Hugging Face, LangChain, LlamaIndex

Professional Certifications: Tableau/Advanced SQL for Data Scientists, Machine Learning with AWS, Google Cloud Gen AI Learning Path, Microsoft Azure AI Vision, TensorFlow Developer Specialization, PyTorch and Deep Learning, Bloomberg Market Concepts

PROFESSIONAL EXPERIENCE

Sales Factory | *Graduate AI Consultant* | Greensboro, NC January 2024 – Present

- Reduced labor hours by 50% through automating newsletter generation with an innovative proposed RAG system
- Engineered RAG system with seamless data extraction and LLM integration (GPT-4, Claude 3) for fast and relevant responses through custom data pipeline and model infrastructure built with LlamaIndex and LangChain
- Reduced monthly operational costs by 30%+ through leveraging open-source solutions within Azure infrastructure

Skills Utilized: Azure, SQL, Modern Data Architecture, NLP, LLMOps, Vector Databases, Search Optimization

SAS | *Graduate Machine Learning Engineer* | Cary, NC September 2023 – Present

- Led 5-grad team boosting high-risk loan identification by 15% and model accuracy by 10% by integrating personal finance and economic data from a dataset of 700,000+ rows, utilizing XGBoost modeling techniques
- Developed an automated end-to-end machine learning pipeline encompassing data wrangling, feature engineering, model training/validation, reducing codebase complexity by 500+ lines and improving system efficiency
- Achieved seamless data integration and low-latency predictions by deploying the optimized model on AWS SageMaker

Skills Utilized: Data Engineer, Data Strategy, Hyperparameter Tuning, Testing, Feature Engineering, Visualization, Automation

SUNY New Paltz | *Financial Research Assistant* | New Paltz, NY May 2022 – May 2023

- Led the Student Managed Investment Fund to outperform the S&P 500 by 2% by developing financial and economic models, analyzing financial statements, writing insightful stock reports, and conducting in-depth company analysis
- Built a dashboard in Tableau for real-time portfolio performance monitoring and data-driven decision-making
- Designed and populated a comprehensive relational database (MySQL, Cloud SQL) using R to collect financial and macroeconomic data from Yahoo Finance API, FRED API, and Bloomberg Terminal

Skills Utilized: Dashboard (Tableau), ETL (R, SQL, Google Cloud), Data Modeling, Financial Modeling, Portfolio Optimization

PROJECT EXPERIENCE

Data Finance Pro: April 2024

- Engineered an innovative financial utility with user-friendly Streamlit navigation, leveraging GPT-3.5, Yahoo Finance API, and News API for data analysis, visualization, and news summarization

Visual Question Answering (VQA): [Link](#) March 2024

- Developed a high performance VQA app using the state-of-the-art BLIP model, enabling natural language questioning on images with accurate answers, leveraging containerization (Docker), version control (GitHub), and Streamlit deployment

Advanced Facial Detection System for MSBA Classroom Attendance: [Link](#) December 2023

- Enhanced facial recognition attendance tracking by 35% in recall and 40% in confidence against the school's existing system by integrating Amazon Rekognition API and optimizing image storage on Amazon S3

Other Projects: [Link](#)