NAM TRAN

Winston-Salem, NC | trannn23@wfu.edu |+1 (845) 978 0121 | linkedin.com/in/namnhtran | github.com/namtran6701

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

RELEVANT SKILLS

Technical Tools: Excel, R, SAS, Python, SQL, Big Query, Tableau, Power BI, Neo4j, Alteryx, HTML, Git, Docker, Powershell/Bash
Machine Learning Frameworks: Supervised/Unsupervised/Reinforcement Learning, Scikit-learn, Tidymodels, TensorFlow, PyTorch
Big Data Technologies: AWS, Google Cloud, Azure, OpenAI, Hugging Face, LangChain, LlamaIndex, Pinecone, Redis
*Professional Certifications***:** Bloomberg Market Concepts, Tableau for Data Scientists, Advanced SQL for Data Scientists, Machine Learning with AWS, Google Cloud Generative AI Learning Path, Microsoft Azure AI Vision, TensorFlow Developer Specialization

PROJECT EXPERIENCE

Visual Question Answering (VQA) *(Link: namtran.streamlit.app)* *March 2024*
- Developed a VQA app powered by the BLIP model, letting users ask questions about images and receive generated answers

Skills Utilized: Python, GitHub, Hugging Face, Generative AI, Version Control, UI development (Streamlit)

Multimodal Generative AI *(Link: huggingface.co/spaces/trannn23/multimodal_model)* *August 2023*
- Streamlined 3 top ranked LLMs and created an UI using Gradio, deployed on Hugging Face
- This combined model acts as a pipeline for both image-to-text and text-to-image tasks. It analyzes images to generate descriptive captions and uses text descriptions to create corresponding images

Skills Utilized: Python, Computer Vision, Generative AI, Image processing, API integration, UI development (Gradio)

Advanced Facial Detection System for Attendance *(Link: shorturl.at/fkK13)* *December 2023*
- Achieved a 35% recall increase, and 40% confidence boost in facial recognition, measured by direct comparison and classroom context evaluation, by integrating Amazon Rekognition API and streamlining image storage on Amazon S3

Skills Utilized: Python, AWS, Computer Vision, Image processing, Data Collection, Data Warehousing, ETL, API integration

Other Projects: *github.com/namtran6701*

PROFESSIONAL EXPERIENCE

Sales Factory | Greensboro, NC *January 2024 – Present*
Graduate Consultant
- Achieved a 50% reduction in labor hours, measured by operational budget analysis, by implementing a RAG-powered chatbot to generate tailored news briefs in the company's specific template based on real-time database updates
- Constructed the chatbot by developing a data pipeline and model infrastructure, ensuring seamless data extraction and integration with Large Language Models (LLM) for accurate, updated, and relevant responses
- Reduced monthly operational costs by 45%+ through the identification and implementation of open-source solutions within the Azure infrastructure, contributing to overall cost - effectiveness and efficiency

Skills Utilized: Python, Azure, Data Cleaning/Engineering, LLMs (Hugging Face, OpenAI), NLP (SpaCy, Llama Parse, Pypdf), Vector Database, LLMOps (LlamaIndex, LangChain, Redis), SQL (Azure SQL, Cosmos DB), UI (Streamlit), Prompt Engineering

SAS | Carry, NC *September 2023 – Present*
Graduate Consultant
- Identified an additional 66% of default customers and enhanced the model's classification capability by 15%, measured by recall and ROC-AUC score. Achieved through integration of time-to-event and macroeconomic data using XGBoost
- Built an end-to-end ML pipeline by integrating data preprocessing, feature engineering, model training, and evaluation stages
- Deployed the optimized model on AWS SageMaker, guaranteeing low-latency predictions and seamless data integration

Skills Utilized: Python, SAS, ML Pipeline, Model Tuning/Testing, Feature Engineering, Statistics, Leadership, Communication

SUNY New Paltz | New Paltz, NY
Research Assistant, School of Business *May 2022 – May 2023*
- Improved stock selection for the School Investment Fund, measured by 2% annual outperformance of the S&P 500, by developing pricing models using the Center for Research in Securities Prices (CRSP) API
- Optimized portfolio risk management by conducting value at risk (VaR) and expected shortfall (ES) analysis
- Presented analytical findings at academic forums (UMass Amherst PhD seminar, Economic and Finance Annual Meeting)

Statistics Teaching Assistant, School of Business *October 2022 – May 2023*
- Awarded the Outstanding Service Award by the School of Business for exceptional contributions to student success, including boosting course pass rates by 20% through individualized support and tailored training
- Elevated student confidence in applying statistical concepts by 75% by designing materials that simplified complex topics

Skills Utilized: R, Python, Excel, Visualization (Tableau, Power BI), Financial Analysis, Stock Price Prediction, Portfolio Optimization, Problem Solving, Risk Analysis (ES, VAR), Financial Modeling (DCF, LBO, Comps), Monte Carlo Simulation