

# NAM TRAN

Winston-Salem, NC (Open to relocation)

trannn23@wfu.edu | +1 (845) 978 0121 | [linkedin.com/in/namnhtran](https://www.linkedin.com/in/namnhtran) | [namtran6701.github.io](https://namtran6701.github.io) | [github.com/namtran6701](https://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

## AREAS OF EXPERTISE

Data Analysis | Financial Analysis | Machine Learning | Time Series Forecasting | Statistics | Data Visualization | ML/Generative AI

## TECHNICAL SKILLS

**Technical Tools:** Excel, R, Python, SAS, Tableau, Power BI, SQL, Big Query, Alteryx, HTML, Git, 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, Pinecone, Redis

**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

## PROJECT EXPERIENCE

**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

**Multimodal Generative AI:** [Link](#) August 2023

- Integrated two top-ranked Hugging Face LLMs into a multimodal AI system for bidirectional image-to-text generation
- Deployed the model with a Gradio UI, streamlining user interaction through effective web development and API integration

**Other Projects:** [Link](#)

## PROFESSIONAL EXPERIENCE

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

- Cut labor hours by 50%, measured by budget analysis, by automating news brief generation with a proposed RAG system.
- Constructed the chatbot by developing a data pipeline and model infrastructure with LlamaIndex and LangChain, ensuring seamless data extraction and integration with LLMs (GPT-4, Claude 3) for fast, accurate, and relevant responses
- Reduced monthly operational costs by 45%+ through the identification and implementation of open-source solutions (Hugging Face Models Integration) within the Azure infrastructure, contributing to overall cost - effectiveness

*Skills Utilized:* Azure, NLP (SpaCy, Llama Parse), LLMops, Vector Database, SQL (Azure SQL, Cosmos DB), GUI (Streamlit)

**SAS** | Graduate Consultant | Cary, NC September 2023 – Present

- Led a 5-graduate team to achieve a 15% improvement in bad loan identification and a 10% boost in model classification by integrating personal financial data, economic indicators, and XGBoost modeling techniques
- Built an end-to-end machine learning solution integrating data preprocessing, feature engineering, training, and evaluation
- Achieved seamless data integration and low-latency predictions by deploying the optimized model on AWS SageMaker.

*Skills Utilized:* ML pipeline, Hyperparameter tuning, Model testing, Feature engineering, Visualization, Leadership, Communication

**SUNY New Paltz** | New Paltz, NY

**Financial Research Assistant** 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
- Reduced portfolio risk 15% via stock weight rebalancing while maintaining returns
- Designed and populated a comprehensive portfolio database by collecting stock data using R, Yahoo Finance API, and Bloomberg Terminal, and provided data to fund analysts upon request for ad-hoc analyses

**Statistics Teaching Assistant** 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:* Visualization (Tableau), ETL (R, SQL), Portfolio optimization, Financial Modeling, Monte Carlo Simulation