Contact

anhnguyen.aiml@gmail.com

www.linkedin.com/in/
andrewfinance (LinkedIn)
thequantscientist.github.io/
(Company)

Top Skills

Data Science

Deep Learning

Computer Vision

Languages

ChatGPT (Professional Working)

Python (Full Professional)

SQL (Professional Working)

English (Native or Bilingual)

Vietnamese (Native or Bilingual)

R (Full Professional)

Certifications

Open Researcher and Contributor ID

Advanced Python for Machine
Learning and SQL for Data Analytics

IELTS Academic (Band 7.0)

Honors-Awards

RMIT Showcase: Project Love Meter
Winner

Presenter of RMIT Digital3 (D3)
International Conference

RMIT Showcase: Impact

Invited Speaker of the 5th
ICEFMR-2024

Presenter of the 31st Pacific Asia
Conference on Information Systems

Publications

LiteFormer: A Lightweight Multi-
Head Attention Transformer for
Stock Price Forecasting

Nguyen Quoc Anh

AI Engineer @Hitachi DSVN
Ho Chi Minh City Metropolitan Area

Summary

"A novel problem leads to a novel solution"

An undergraduate who majors in Economics and Finance.
Specialized in developing ML/DL algorithms for time series
forecasting. 2+ years of research experience in Data Science
and Cybersecurity. Led and published 10+ projects on predictive
modeling in quantitative finance on S&P 500 Index. Proficient
in SQL, R, Python, and Generative AI, driving multidisciplinary
development with global Ph.D. researchers on theoretical time
series.

Experience

Hitachi Digital Services
AI/ML Engineer - P1
October 2024 - Present (6 months)
Ho Chi Minh City, Vietnam

Project Virtual Planner (POC) - BackEnd GenAI Developer
- Developed LLM-based (Llama3.3-70B, Gwen2.5-70B, 4o-mini) multi-agent
systems for high-speed Rail management through information retrieval and
penalty optimization tasks for decision-making
- Applied LangChain/LangGraph frameworks for developing Text-to-SQL
agents with PostgresDB connection, managed data ETL processes and
prompting for suitable UI integration, hosted on FastAPI
- Programmed an automatic violation classification model via similarity search
on input-output embeddings (in-context learning) and fewshot, backtested
RAG approach, CPAL chain, and CoT prompting
- In charge of designing Rail agents flow, accessed to confidential Conceptual
& High-Level system design

Project Nestle HoloLens (Deploy) - Computer Vision Engineer

- Trained, fine-tuned, and tested Yolov8-11n models on HoloLens v2 of Microsoft for real-time object detection and stage completion for factory manufacturing processes
- Wrapped post-train models with ONNX format for appropriate deployment on HoloLens glasses, in charge of quality control and testing support
- Experimented with diverse augmentation parameters and background testing for bug detection in 3D-Maya animation

Project Station Finder (POC) - Advisor
- Assisted in developing Text-to-SQL agents
- Advised on system prompt and database design

Tech Mahindra
Research Associate - P1
October 2024 - October 2024 (1 month)
Ho Chi Minh City, Vietnam

Project VERA
- Conducted user study (n=1000) on unreleased smart devices, thus instructing users through 50+ technology protocols to gather human behavior analysis
- Engaged in CRM training and maintained professional customer services in daily F2F contact
- Set up the working environment from scratch following the vendor's requirements, ensuring ultimate data privacy

RMIT University Vietnam
AI/ML Researcher
August 2023 - October 2024 (1 year 3 months)
Ho Chi Minh City, Vietnam

- Developed deep Neural Network models on S&P 500 stocks for quant exchange
- Optimized models' metrics by implementing Phase Space Reconstruction and Attention Mechanisms
- Managed ETL processes and 2M irregular observations from PhysioNet and YFinance using Python
- Built cryptographic algorithms and Federated Environments for IoT cybersecurity experiments; peer-reviewed 43 PhD research papers; published 2 CORE papers in affiliation with the School

Scale AI

AI Systems & Multilingual LLMs Trainer - Lead
April 2024 - September 2024 (6 months)
San Francisco, California, United States

Education

RMIT University Vietnam
Bachelor of Business, Economics and Finance · (October 2021 - May 2025)