Dinh Tan Loc

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About me

With a solid foundation in data analysis and a profound passion for AI and economic fields, I am driven to uncover impactful insights that fuel innovation and deliver creative, user-centric solutions to address real-world challenges.

Experience

Applied AI at Kyanon Digital   January 2025 – now

Technical, Applied AI, LLMOps   *Intern*

With the mission of providing and building modern AI-powered technological solutions, Kyanon Digital is an international company specializing in delivering products and services developed through Agile processes, addressing the needs of businesses, especially in natural language processing applications.

- Research, survey, and report on a series of the latest papers about RAG and LLM
- Develop ideas and plan product implementation following the SCRUM and AGILE processes
- Use Python, FastAPI, and React.js with the Langchain Framework to build the MVP of the product

Data Science at Saigon.A.I   Aug 2024 – Dec 2024

Technical, Data Science, Analyst   *Intern*

With a mission to help our customers design, build and support their data and A.I. products and offerings. Saigon.A.I offers data science, automation, model design and ops solutions to help you accelerate.

- Use Python to transform and preprocess company data with nine millions observations
- Build a report by visualization with Tableau
- Prepare documents and present a professional workshop about modern Data knowledge

Research Assistant at UEH University   June 2023 – Dec 2024

AI Researcher, Data Science, Assistant   *Part-time*

Under the guidance and support of a Ph.D. in Data Science and Artificial Intelligence, I conducted experiments, wrote papers, and prepared reports based on given instructions. My research focuses on applying AI models to tabular data, utilizing large language models for investment analysis, and exploring various other topics.

- Research and conduct experiments on applying AI in fraud detection and financial analysis.
- Main responsibility for AI experiments in the research paper.
- First author and published three papers in national and international conferences ranked Q3.

Skills

Main languages: Python, SQL, Java
Backend: Django, Flask, FastAPI
Databases: MySQL, SQLite, PostgreSQL, MongoDB
LLM frameworks: Langchain, Langgraph, LLM Studio
Automation Tools: n8n
Project Management Tools: Trello, Clickup, Jira, Open Project
English: TOEIC 790+

Education

University of Economics Ho Chi Minh City (UEH)   October 2022 - Present

Student in Information and Technology   *CGPA: 3.7/4*

Ho Chi Minh University of Science (HCMUS)   August 2023 - March 2024

Diploma of Data Analytics Program   *CGPA: 3.4/4*

Advanced AIO 2024, AIOVN   October 2024 - Present

Student in Data Science and Artificial Intelligence Program

Projects

Project: Applying LLM Models to Personalize a Car E-commerce Website Source Code
- This project utilizes Django and Vite.js to develop a full-stack car e-commerce website with PostgreSQL. Customers can interact with an AI chatbot powered by OpenAI's API or leverage analytical tools available on the admin site. The platform integrates a fine-tuned GPT-3.5 model for enhanced personalization and user engagement. **Python, Django, Vite.js, Fine-tuned GPT, AI, Hugging Face**

Project: Robo Autovisor for Stock Investment in VNStock Source Code
- An AI-powered application designed to assist investors in analyzing and making informed stock market decisions. The system integrates LangChain and Django to provide automated stock insights, financial data visualization, and predictive analytics. **LangChain, Django, Vite.js**

Papers

Published and presented at FAIR 2024 national conference July 2024
- Analyzing and Enhance imbalanced data in fraud detection with **Meta Stacking approachs**

Published and presented at Q3 ICIT 2024 international conference September 2024
- Addressing data imbalance in insurance fraud prediction **using sampling techniques and robust losses**

Accepted paper at Q4 ICCIES 2025 international conference April 2025
- Combining explainable AI (XAI) and regression analysis to **explain relationships in electricity consumption behavior**

Awards

Science competitions April 2024 - April 2025
Batch of 2025 *UEH University*
- Ranked A in the 2025 UEH Young Researcher Scientific Competition
- Ranked C in the 2025 UEH Young Researcher Scientific Competition
- Awarded B for both research projects at the 2024 CTD University-level Science Festival
- Ranked B in the 2024 UEH Young Researcher Scientific Competition

Technology competitions April 2025
Batch of 2024 *UEH University*
- Top 12 outstanding projects in the Southern region at the Google Development Hackathon 2025
- Top 30 outstanding projects at the Youth Digital Challenge Hackathon 2025
- Learned how to ideate and develop ideas in real life using innovation knowledge

Entrepreneurship competitions June 2024
Batch of 2024 *UEH University*
- Top 5 representatives of Dynamic club nationwide
- Top 3 in Big Idea competitions for innovation ideas
- Top 30 startup ideas in the Southern region (CiC)