

EDUCATION

Ph.D of Computer Application (Deep Learning in clinical risk management) , <i>Dublin City University, Ireland</i>	Oct 2022—Oct 2026
<i>Bachelor of Computer Science, Honors Program, University of Science, VNU-HCM, Vietnam (GPA: 9.123/10.0)</i>	2018—2022
<i>High School Certificate, Nguyen Thi Minh Khai High School, Vietnam</i>	2015—2018

TECHNICAL PROJECTS

Smart Query Assistant with LLM 	Sep 2023 - Oct 2023
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Technical Skills: SQLite, Large Language Models, Prompt Engineering, Docker, Cloud Deployment

- Engineered a chatbot capable of translating user data queries into SQL commands, ensuring secure execution to retrieve precise information from SQL database with high reliability. Our five-member team achieved the **runner-up position** at the Huawei Hackathon 2023 with this system.
- My Role:* Designed the core workflow of the solution, emphasizing reproducibility, and implemented it on the Huawei Cloud platform. Notably enhanced the precision of Large Language Models (LLMs) by fixing hallucination and integrated additional features to fortify model trustworthiness, reliability and security.

AI-Powered Meal Analysis from Food Photos 	June 2021 - Sep 2021
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Technical Skills: Computer Vision, Web Application, Cloud Deployment

- Created a web application for precise ingredient and nutrition analysis from meal photos using advanced deep learning models. The project, initially conceived as a class assignment, gained significant recognition with over **140 stars on GitHub**.
- My Role:* Designed the core workflow of the system, including developing the API server and ensuring the seamless orchestration of application hosting on a remote server. Took charge of implementing and closely monitoring the performance of the core deep learning models throughout the project.

EXPERIENCE

Research Intern in Deep Learning at Huawei Ireland Research Centre	Feb 2024 - Feb 2025
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Technical Skills: Large Language Models, Prompt Engineering

- Developed an LLM-powered automatic network configuration system to generate configuration suggestions for internal network engineers.
- Responsibilities:* Conducted research on state-of-the-art (SOTA) works, designed an automated pipeline, implemented and thoroughly benchmarked the system, achieving a retrieval accuracy of over 90% of company dataset.

Lab Assistant, Dublin City University	Sep 2023 - May 2024
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Key Skills: Web Application, C++ Programming

- Served as a part-time lab tutor for two academic modules over the course of two semesters.
- Responsibilities:* Provided guidance and support to ~100 undergraduate students in two computer science modules: one focused on C++ programming and the other on Django web application development.

Research Assistant at Software Engineer Laboratory (SELab), VNU-HCMUS	Oct 2020 - Oct 2022
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Technical Skills: Computer Vision, Web Application, Docker

- Spearheaded the deployment of a cutting-edge traffic signboard detection system for mobile mapping in panoramic street images using deep learning models. The system was built for a collaborative project between SELab and MapDAS secured a position among the **top 20 startup projects selected for funding** by VINIF.
- My Role:* Engineered the core classification and detection modules, achieving an impressive **F1 score of over 80%**. Actively participated in the iterative development process: encompassing data labeling, model training, reevaluation while maintaining bi-weekly reports with the stakeholders.

AWARDS

- Awarded "Panasonic Special Scholarship Asia 2021", for **top 50 outstanding undergraduate students among 500 participants**.
- Top 20 students among other universities** to receive certificate for "Student with excellent achievement in study and research in Artificial Intelligence field 2021" from HCMC Information and Communication Department, 2021

SKILLS

Tools and Languages	Python (Advanced), Pytorch (Proficient), SQL (Proficient), Docker (Proficient), Git (Proficient)
Area of Interests	Multimodal Machine Learning, Information Retrieval, Natural Language Processing, AIoPS
Communication	English (IELTS Academic 7.5 Overall - June 17th, 2022), Vietnamese (native speaker)