

Ha Trong Nguyen

📞 (+84) 338-996-391

📍 Quan 7, Ho Chi Minh City, Vietnam

✉️ hatrongnguyen.work@gmail.com

👤 htrnguyen

👤 htrnguyen

👤 htrnguyen.id.vn

SUMMARY

AI Engineer and researcher with a strong foundation in deep learning and applied artificial intelligence. Experienced in building and analyzing models for computer vision and document understanding, with growing research interest in large language models (LLMs) and automation. Focused on exploring how intelligent systems can combine visual perception and language understanding to create practical and adaptive AI solutions.

Research interests: Deep Learning, Computer Vision, Large Language Models, Prompt Engineering.

EDUCATION

Ton Duc Thang University

2022 - 2026

Bachelor of Computer Science (GPA 8.3/10)

Ho Chi Minh City, Vietnam

PUBLICATIONS

- Le-Thanh Tien, Luu-Huu Tri, Ha-Trong Nguyen, Nguyen-Huu An, & Dung-Cam Quang. (2025). *VNProductKIE: A Dataset and Three-Stage Pipeline for Key Product Information Recognition on Vietnamese Packaging Labels*. Proceedings of SOICT 2025 (Springer CCIS). [To appear]

AWARDS

- **First Prize**, Student Research Competition - Ton Duc Thang University (2025)

EXPERIENCE

AI Laboratory — Ton Duc Thang University

2025 - 2026

AI Laboratory Member

PROJECTS

Optimization and Scheduling with Large Language Models

2025 - 2026

Research Project — AI Laboratory

- Explored hybrid optimization techniques and large language models (LLMs) for solving the Job Shop Scheduling Problem (JSSP) using OR-Tools.
- Conducted literature reviews and implemented experimental pipelines for problem analysis.

Product Information & Expiration Date Recognition

2024 - 2025

Student Research - Ton Duc Thang University

- Led a 3-member team on OCR-based product information extraction using YOLOv11 and multiple OCR models.
- Achieved First Prize in university research competition and published in SOICT 2025 (Springer CCIS).

Vietnamese OCR from Images

2024 - 2025

Deep Learning Course Project

- Built a ResNet-Transformer architecture for Vietnamese OCR.
- Trained and evaluated models on VinAI's dict-guided dataset for document text recognition.

SKILLS

Programming: Python, Java, C

Frameworks: PyTorch, FastAPI, Transformers, OpenCV, LangChain

Tools: Docker, Git, Google Colab, Kaggle, Hugging Face, Linux

CERTIFICATIONS

Deep Learning

Prompt Engineering

LANGUAGES

Vietnamese - Native

English - Intermediate (reading & writing)