

Oanh Tran

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Education

Ho Chi Minh city University of Technology, BS in Computer Science Aug 2020 – Aug 2024

- GPA: 8.4/10.0 (3.6/4.0)
- Thesis: Academic Affairs-Supported Knowledge Graph Construction From Unstructured Data

Research Experience

VinUni-Illinois Smart Health Center (VISHC)

Research Assistant

Hanoi, Vietnam
August 2024 – present

- Advisor: [Assoc. Prof. Khoa D Doan](#)
- Main research topic: Interpretable and Explainable AI
- Project: Large Vision Language Model's Interpretability
 - Investigate models' internal mechanism's contribution to predictions.

Ho Chi Minh city University of Technology

Research Assistant

Ho Chi Minh, Vietnam
March 2023 - June 2024

- Advisor: [Assoc. Prof. Dr. Tho Quan](#)
- Main research topic: Generative model in NLP
- Project: Chatbot for Office of International Study Programs (OISP)
 - Conducting research on various methods to clean and explore language data, as well as performing feature extraction techniques for natural language processing.
- Project: Knowledge graph for LLMs
 - Implemented a range of techniques, including traditional methods to construct the knowledge graph.

Publications

- Bui, T., **Tran, O.**, Nguyen, P., Ho, B., Nguyen, L., Bui, T., & Quan, T.. “[Cross-Data Knowledge Graph Construction for LLM-enabled Educational Question-Answering System: A Case Study at HCMUT.](#)” *Proceedings of the 1st ACM Workshop on AI-Powered Q&A Systems for Multimedia (AIQAM)*. 2024.
- La Cam Huy, Le Quang Minh, **Tran Ngoc Oanh**, Le Duc Dong, Duc Q. Nguyen, Nguyen Tan Sang, Tran Quan, Tho Quan (2023). [Low-Rank Adaptation Approach for Vietnamese-Bahnaric Lexical Mapping from Non-Parallel Corpora](#). *VNUHCM Journal of Engineering and Technology*.

Other Projects

Vista - A Comprehensive Vietnamese Text and Image Dataset

- Employed prompt engineering techniques and Huggingface interface.
- Vista contains over 700,000 samples, created by Gemni Pro. Upon its release, this was the largest dataset in Vietnamese vision-language domain.

Vietnamese Fake News Detection System

- Researched fakes new detection, identifying fake claims using Sentence Transformers and NLI (Pytorch) .
- Applied multiple method to retrieve evidence and perform NLI.
- First runner-up at UIT fake news challenge 2023.

Work Experience

VinUni

Teaching Assistant (Part-time)

Ha Noi, Vietnam
September 2025 – January
2026

- Course: COMP3020 - Machine Learning
 - Assisted in preparing quizzes, assignments, slides, and supported student projects

VietAI

Teaching Assistant (Part-time)

Ho Chi Minh City, Vietnam
March 2025 – June 2025

- Course: LLMs & Industry Practices 02 (LLMs02)
 - Assisted in preparing quizzes, assignments, slides, and supported student projects

HRS Group

AI Engineer Intern

Ho Chi Minh, Vietnam
Jan 2024 – April 2024

- Project: Automatic Invoice Matching
 - Realized modules in “Automatic Invoice Matching” project , researching various NLP and CV approaches to automatically matching invoices.

IVS Joint Stock Company

AI Engineer Intern

Ho Chi Minh, Vietnam
June 2023 - September 2023

- Project: Legal Statute Identification (LSI)
 - Researched various graph-based methods to solve and improve accuracy of LSI system.

Skills

Programming Languages: Python (most proficient), C ++

Framework: Pytorch, HuggingFace, Numpy

Tools: Bash, Github

Language: English (IELTS 7.0)(expired 2021), Vietnamese (Native)

Honor And Awards

- Excellent Student Achievement
- Viettel Digital Talent 2024 Resident
- Runner-up in UIT fake news challenge 2023
- Academic Incentive Scholarship (award for top 10% student each semester)
- OISP Scholarship
- Finalists in Ho Chi Minh City AI Challenge 2023, top 6 at Qualifying round