

Nguyen Huu Huy Thinh

📍 Ho Chi Minh City, VietNam

✉ thinh.nguyenhuuhuy@hcmut.edu.vn

☎ +84946615072

in Thinh Nguyen

Summary

Final-year Computer Science student with a proven track record in end-to-end academic research. Experienced in cross-cultural research environments, demonstrated through a successful internship in Japan and an IEEE publication. Highly motivated to pursue graduate studies to solve complex mathematical and physical challenges in Artificial Intelligence.

Education

Bachelor of Engineering in Computer Science

Oct 2022 – Exp. Oct 2026

Ho Chi Minh University of Technology - Vietnam National University HCMC, Vietnam

- Cumulative GPA: 3.7/4.0

Research & Publications

Graduation Thesis: Researching and building effective solutions for estimated time of arrival and routing.

May 2025 – Jun 2026

- **Description:** Proposed and developed POI CL-TTE, a novel deep learning architecture for accurate travel time estimation. Independently constructed a comprehensive trajectory dataset for Ho Chi Minh City from scratch, on which the proposed POI CL-TTE successfully outperformed the state-of-the-art baseline (MulT-TTE).
- **Status:** Successfully defended with an outstanding grade of 9.36/10 (Equivalent to 3.74/4.0).

Research Paper: Deep learning control for a 4-axis robot arm in automated plastering.

Jan 2025 – Mar 2025

- **Description:** Designed an automated plastering robot control system at the Visual Computing Lab, KIT (Japan). Developed a deep learning model to enable the 4-axis robot arm to achieve precise plastering in hard-to-reach wall areas.
- **Status:** Published in the *30th IEEE/ACIS SNPD 2025* conference [\[DOI\]](#).

Languages

IELTS: 7.0 (Academic) - English proficiency

Apr 2026

Japanese Language Proficiency Test (JLPT): N3 - Japanese Elementary

Dec 2025

Experience

Kyoto Institute of Technology, Researcher Intern

Kyoto, Japan - On-site

- Conducted on-site research at Kyoto Institute of Technology's Visual Computing Lab as a selected scholar of the Global Internship Program
- Built a 3D-printed 4-axis robot arm with a custom trowel for automated plastering, and developed a deep learning model for precise control in hard-to-reach areas.

Jan 2025 – Mar 2025

NEC Vietnam, Software Developer Intern

HCM City, Vietnam - On-site

- Developed **Nihonghub**, an interactive web application designed for Japanese language learning through video content, utilizing ReactJS, Python, and PostgreSQL.
- Actively engaged in the software development process, familiarizing with standard corporate workflows and Japanese business etiquette.

Apr 2026 – Present

Awards

Gold Medal in Physics (Casio Category) – 30th April Traditional Olympic Competition

Apr 2020

- Demonstrated strong knowledge and problem-solving skills in Physics

Comprehensive Well-rounded Student

Oct 2023

- Awarded at Ho Chi Minh University of Technology (HCMUT) for strong overall academic performance.

- Awarded at Ho Chi Minh University of Technology (HCMUT) for outstanding overall academic achievements.

Personal Projects

Project: Travel Time Prediction (Capstone Project)

[Link Report](#) 

- Implemented Transformer-based architectures to enhance travel time estimation accuracy using real-time spatio-temporal traffic data.
- Collected and constructed a dataset for Ho Chi Minh City from Waze API data, including data cleaning and feature extraction for ETA modeling.
- Tool used: PyTorch, NumPy, Waze API

Project: Old Photo Restoration

[Link Project](#) 

- Experience in fine-tuning generative models on custom datasets using GFPGAN, gaining hands-on experience with deep learning and image processing.
- Tool used: Python, Pytorch and OpenCV

Project: WebGL Shading Simulator

[Link Website](#) 

- Built an interactive WebGL application demonstrating Flat, Gouraud, and Phong shading to develop strong 3D graphics and shader programming skills.
- Tool used: WebGL, JavaScript, HTML/CSS

Strengths

- **High Adaptability:** Readily integrate into diverse academic and professional environments, demonstrated through successful on-site research in Japan and corporate onboarding in multinational settings.
- **Self-Directed Learning:** Strong capability to independently acquire new technical skills and self-study foreign languages effectively.
- **Problem-Solving & Implementation:** Solid foundation in algorithms with a proven ability to translate theoretical AI/ML concepts into functioning pipelines and practical projects.