

Lam Thai Nguyen

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RESEARCH INTERESTS

Computer Vision, Deep Learning, Image Processing

EDUCATION

VNU University of Engineering and Technology, Hanoi, Vietnam

B.E., Control Engineering and Automation

Advisor: Tran Hiep Dinh

September 2021 — December 2025

Cumulative GPA: 3.43/4.00

RESEARCH EXPERIENCE

HRG — VNU-UET

Undergraduate Research Assistant

Hanoi, Vietnam

November 2023 — Present

HRG at VNU-UET is a research group specializing in Signal Processing and Computer Vision.

Led by Tran Hiep Dinh.

- Participated in the *University Student Scientific Research Conference*, leading to a third prize at the university level.
- Presented research findings at both the department and university levels, enhancing academic speaking skills.
- Collaborated on interdisciplinary agricultural research, enhancing collaboration skills across different fields.
- Participated in data annotation for segmentation and object detection tasks, ensuring high-quality labeled datasets for model training and evaluation.
- Wrote extensive code for model implementation, data analysis, and results extraction, validating research hypotheses and contributing to project success.
- Authored and co-authored research manuscripts, leading the writing process and ensuring well-documented findings.
- Presented a poster at the 3rd *APSIPA Workshop on Signal and Information Processing in Vietnam*, further improving presentation skills and international exposure.

PUBLICATIONS

Conference paper

- C. H. Le, L. T. Nguyen, T. K. Pham, L. K. Nguyen, T. H. Dinh, S. Jouannic, H. Adam, P. Duhammel, H. T. Minh, and N. L. Trung, "Structural Analysis of Asian and African Rice Panicles via Transfer Learning", *2024 Asia Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC)*, accepted.

AWARDS

Third Prize, University Student Scientific Research Conference

Research Title: Architecture Analysis of Rice Panicle using Deep Learning

Hanoi, Vietnam

April 2024

CERTIFICATIONS

- [CS50: Introduction to Computer Science](#) Harvard University
- [Deep Learning Specialization](#) Coursera
- [Machine Learning Specialization](#) Coursera
- [Computer Vision Basics](#) University at Buffalo
- [Introduction to Computer Vision and Image Processing](#) IBM

SKILLS

- **Programming:** Python, C, MATLAB
- **Framework:** PyTorch, Ultralytics
- **Software:** VSCode, GitHub, Overleaf
- **Tool:** LaTeX, Markdown
- **Soft Skills:** Academic Writing, Academic Speaking, Interdisciplinary Collaboration

ENGLISH PROFICIENCY

IELTS (Academic): 7.0

Test Date: September 2019

Listening: 7.0 — Reading: 7.0

Speaking: 6.5 — Writing: 7.0

REFERENCES

Prof. Tran Hiep Dinh

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Scholar Profiles: [Google Scholar](#) — [ResearchGate](#) — [LinkedIn](#)

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