

Lam Thai Nguyen

Email: thainguyen2893@gmail.com
LinkedIn: www.linkedin.com/in/lam-thai-nguyen
GitHub: <https://github.com/lam-thai-nguyen>
Homepage: <https://lam-thai-nguyen.github.io/>

RESEARCH INTERESTS

Computer Vision, Deep Learning, Object Detection

EDUCATION

VNU University of Engineering and Technology , Hanoi, Vietnam	September 2021 — December 2025
B.E., Control Engineering and Automation	Cumulative GPA: 3.43/4.00
Advisor: Tran Hiep Dinh	

RESEARCH EXPERIENCE

HRG — VNU-UET	Hanoi, Vietnam
<i>Undergraduate Research Assistant</i>	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	Hanoi, Vietnam
Research Title: Architecture Analysis of Rice Panicle using Deep Learning	April 2024

ENGLISH PROFICIENCY

IELTS (Academic): 7.0	Test Date: September 2019
Listening: 7.0 — Reading: 7.0	
Speaking: 6.5 — Writing: 7.0	

CERTIFICATIONS

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|--|-----------------------|
| • 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

REFERENCES

Prof. Tran Hiep Dinh

Assistant Professor, Faculty of Engineering Mechanics and Automation, VNU University of Engineering and Technology, Hanoi, Vietnam

E-mail: tranhiep.dinh@vnu.edu.vn

Scholar Profiles: Google Scholar — ResearchGate — LinkedIn

Prof. Stefan Jouannic

DIADe, University of Montpellier, IRD, CIRAD, 34394 Montpellier, France

E-mail: stephane.jouannic@ird.fr

Scholar Profiles: Google Scholar — ResearchGate