

Tuan-Vo Lan

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EDUCATION

VNUHCM - University of Science

Bachelor of Science in Computer Science: **GPA: None**

Ho Chi Minh, Viet Nam

August 2024 – May 2028 (Expected)

AWARDS & ACHIEVEMENTS

Gold Medal, Traditional 30/4 Olympiad in Informatics

2023

- An annual competitive programming competition in the South and Central regions (rank 10/160).

Gold Medal, Informatics Olympiad in the Central - Central Highlands

2023

- Prestigious yearly algorithmic contest for high school students in the region (rank 7/100+).

Top 50, Code Tour Challenge Final Round by VNG

2024

- Passed three elimination rounds and got top 50 at the Final round, awarded a VNG T-shirt.

IELTS 7.5 - CERF Level C1

2024

- Advanced English language certification.

PROJECTS

Hand Tracking in Unity Using Mediapipe and OpenCV

- Developed a real-time hand-tracking system integrating Mediapipe, OpenCV, and Unity to achieve accurate hand movement representation in a 3D virtual environment.
- Enabled interaction with virtual objects (e.g., red cubes) using webcam-captured hand movements, demonstrating potential for gaming and simulation applications.

Crop Disease Detection at GDGoC Hackathon

Ongoing

- Proposing a web-based crop disease detection system for the GDGoC Hackathon (team of 2), using Computer Vision, pretrained CNNs (e.g., EfficientNet), and cloud inference to assist Vietnamese farmers.
- Developing a user-friendly interface with plant selection, aiming to detect diseases and provide recommendations via a pretrained LLM (e.g., Llama 3.3).

OAI Hutech Olympic in AI HCMC 2025 (Kaggle Competition)

Ongoing

- Utilized advanced computer vision models, including ResNet, YOLO, and EfficientNet, to classify mushrooms, achieving over 90% accuracy on the testing dataset.

AI Challenge by GDGoC HCMUS (Kaggle Competition)

Ongoing

- Applied Mask R-CNN and SAM models to perform image segmentation on rocks, achieving over 80% accuracy on the testing dataset.

EXPERIENCE

Volunteer at Contest Team at VNOI

August 2024

VNOI is a nonprofit organization promoting computer science education in Vietnam.

- Developed and proposed problems, some of which were used in high-quality contests such as the OI Contest and VNOI's Regular Contest.
- Supervised the National Student Informatics Olympiad and the 2024 ICPC Asia Hanoi Regional, gaining event-management experience.

Member of AI & DS team at Google Developer Group on Campus

November 2024

A community of students passionate about technology, coding, and innovation using Google technologies.

- Collaborated with peers to develop AI/ML projects utilizing Google's tools and frameworks.

SKILLS

Languages: C++, Python.

Libraries: Tensorflow, Pytorch, Pandas, Numpy,...

Tools: Manus, Cursor, VSCode, VS, Pycharm, Kaggle Notebook.