

Nguyen Hoang Thuan

Curriculum Vitae

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Hoang Thuan Nguyen
Ho Chi Minh City, Vietnam

Education

2021–2025 **Vietnam National University HCMC - University of Information Technology**
B.Sc, Honors Program, in Computer Science. - GPA: 8.7/10

Experience

04/2023–Now **MMLAB-UIT, VNUHCM** · Research Assistant
Advisor: *Ph.D. Thanh Duc Ngo*
- Conduct research on the problem of few-shot object detection, which applies to problems with little data, especially in fields such as health, agriculture,...

Awards

2024 **Third Prize in SolCT Hackathon 2024 - Traffic Vehicle Detection**
Team: Jerry&Tom – [Certificate](#)
- Deployed traffic vehicle detection modules by using SOTA deep learning approaches. Pre-processing and augmenting data to cover different types of vehicles.

2023 **Consolation Prize in Ho Chi Minh AI Challenge 2023 - Event Retrieval In Video**
Team: Haidikichi – [Certificate](#) · [GitHub](#)
- Extract valuable features from input video and developing core modules of the video retrieval system.

2022 **Second Prize in BKAI-NAVER Challenge 2022 - Vietnamese Scene Text Recognition**
Team: UIT.TurtleDog – [Certificate](#) · [Leaderboard](#) · [GitHub](#)
- Deployed detection and recognition modules by using SOTA deep learning approaches. Pre-processing and augmenting data to cover different scene text types.

2022 **Encouragement in AI4VN 2022 - Medicine Pill Image Recognition Challenge**
Team: UIT4meow – [Certificate](#) · [Leaderboard](#) · [GitHub](#)
- Build an end-to-end system to detect pill and recognize Out-of-prescription pills with information from Pill image and Prescription.

2021 | 2022 **Prize C of UIT Honors Challenge Scholarship**
- The award for honor students who have achieved remarkable success in academic competitions and demonstrated outstanding progress in their learning journey.

Projects

10/2023 **Video retrieval system for Vietnamese News videos** · *Backend Developer*
- The system utilizes advanced vector search frameworks to provide highly relevant results for user queries.
- It also includes helpful features like relevance feedback and an interactive video browser to improve the user experience.

11/2021 **Science Adventure Viet Nam - Gerosaga Team Website** · *Fullstack Developer*
- Developed a complete blogging website for Gero Saga fan translation team to help publish and manage information related to their latest projects.
- Using .NET Core 3.1 as the back-end side serving a REST API with Razor Pages as the front-end.

Skills

Programming	Python, C#, Java, SQL, C++, Web programming
Frameworks	FastAPI, PyTorch, Entity Framework
DevOps	Docker
Databases	SQL Sever
Misc.	Git, Bash scripting

Volunteering

09/2021- 01/2023	UIT AI Club · President
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Addition Activities

2019	PiMA - Projects in Mathematics and Applications Mentee – <u>Certificate</u>
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