

Minh-Huy Mai-Duc

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EDUCATION

Artificial Intelligence | *Bachelor* Aug 2023 - Present
VNU University of Science, Ho Chi Minh, Vietnam GPA: 3.78/4.0

PROJECTS

AngelHack Hackathon | [!\[\]\(d66ff64371a51729ac8c1cdaa685ba6f_img.jpg\)](#) [!\[\]\(0f31ebba7abcd47777e178db26f29705_img.jpg\)](#) | *Participant* Jun 2024

- Created custom-labeled dataset using CVAT for Southeast Asian beer products
- Finetuned YOLOv8 for real-time beer detection and classification
- Built website analyzing crowd and staff emotions via ChatGPT API

AI Challenge Hackathon (HCMC) | [!\[\]\(003082e50e3009141f59bd5df831749f_img.jpg\)](#) | *Participant* Sep 2024

- Extracted video features using SOTA models (ViT-B16, ViT-B32, ViT-L14) for retrieval tasks
- Implemented database querying with Qdrant and FAISS
- Developed text-based video retrieval system for Known Item Search

EXPERIENCE

HCMUS Google Developer Student Club | *Head of AI & DS* Dec 2023 - Present

- Conducted competition on Segmentation and Document Translation for GDGoC students, providing guidance and feedback on programming concepts, languages, and tools.

AI VIET NAM | *Community Member* Dec 2023 - Present

AIVN Research Group | *Member* Jul - Sep 2024

- Summarize papers and do literature reviews about Cardiac MRI Reconstruction.
- Host introductory seminars about processing fMRI images.

SKILLS

Tech Stack |

Language: C/C++, Python, R.

Libraries & Frameworks: Numpy, OpenCV, Matplotlib, Pytorch, Pandas, SciPy, Streamlit.

Knowledge |

Machine Learning: Regression, Tree-based Algorithms, Resampling, Support Vector Machines.

Deep Learning: Transformer-based, Seq2Seq architectures, Contrastive Self-Supervised Learning.

Neuroscience: Neuronal Dynamics (Wulfram Gerstner), Computational Neuroscience (Neuromatch Academy)

CERTIFICATES

Mathematics for Machine Learning | *Coursera* Feb 2024

CS50's Introduction to Artificial Intelligence | *CS50* Feb 2024

Getting Started with Writing and Publishing Your Research | *learn@inasp* Jun 2024

Machine Learning Specialization | *Coursera* Aug 2024

Statistical Learning | *VIASM Summer School on Deep Learning* Aug 2024