Phan Vy Hao

📞 +8494-7368-311 ✉ vyhao03@gmail.com 📍 Binh Dinh Province, Vietnam 🐙 vyhaophan

PROFESSIONAL EXPERIENCE

Mylong Inc - USA   **Sep 2024 - Present**
Data Scientist

Talent AI Assistant
- Responsible for developing the AI Assistant chatbot for the HR platform website which answers all the questions related to HR management tasks, monitor the onboarding steps of new member, daily report.
- Tech stack: OpenAI Chatgpt, Function call, RAG

FPT Software - Quy Nhon   **Feb 2023 - Aug 2024**
AI Engineer

Advanced Generative AI Innovation
- Responsible for developing the local versions of the LLM models, applied on generative AI tasks.
- Tech stack: Phi-1.5, Llama-2, Gemma-2, RAFT

Japanese Intelligent Tracking System
- Responsible for the AI Engine which recognizes and tracks the japanese license plates.
- Tech stack: PaddleOCR

Compare Image
- Develop both non-AI and AI algorithms to compare the image pairs.
- Tech stack: SSIM, Pix2Pix, GANs network, Tkinter

ChatGPT-based Chatbot
- Build an AI assistant that can answer the questions based on the internal documents.
- Tech stack: Azure OpenAI, Azure Search, ChatGPT-3.5

Data Engineer

ChatGPT-based Worker Assistant
- Responsible for cleaning the dataset for various projects, aimed for AI-friendly splited markdown chunks.
- Tech stack: Markdown, Excel, Prompt engineer

Kyanon Digital   **Jan 2023 - Feb 2023**
Machine Learning Engineer Intern
- Factorize, dockerize and document a project related to Smart retail (tracking people in the store)
- Keywords: Pytorch, Streamlit, AWS, Docker

EDUCATION & CERTIFICATIONS

Bachelor of Data Science
University of Information Technology HCM, Vietnam
GPA: 8.5/10

IELTS
7.0 - Since April 2022

SKILL

Researching

English communication

Object-oriented programming

Machine Learning, Deep Learning

Artificial Intelligence

Phan Vy Hao

📞 +8494-7368-311   ✉ vyhao03@gmail.com   📍 Binh Dinh Province, Vietnam   🐙 vyhaophan

---

PUBLICATIONS

Intelligent Scene Text Recognition using Deep Learning   **Feb 2023 - Present**
International Conference on Intelligence of Things - 2022
- DOI: 10.1007/978-3-031-15063-0_34
- A comparison of many state-of-the-art Deep Learning architectures' performance of recognizing real-world Vietnamese scene text.
- Dataset: Vintext (2,000 photos + 56,084 text instances).
- Methods: Rosetta, SAST, EAST

License Plate Image Reconstruction using Generative Adversarial Network   **Feb 2023 - Present**
COMET Conference - 2021
- DOI: 10.1109/COMNETSAT56033.2022.9994425
- The dataset was collected manually from the parking garage and processed using Computer Softwares. GANs Network was applied to clarify the images that are blurred or hard to see, which will help improve preserving people's valuable vehicles.

OTHER PROJECTS

Restaurant Inspection Data Warehouse

A warehouse was created from the original CSV format data using Microsoft Server & Visual Studio tools. 1 fact table & 4 dimensions.

Classifying The Romanized Letter Images

A classification model using Resnet-50 backbone.
Improving the performance using data-centric approaches like augmenting or brushing.
Deploy an AWS lambda.

Dataset of Fake Comments Classification from e-commerce website

Crawled data from Shopee and Lazada (6 attributes & 1,288 data points).
Two classes: non-fake and fake comments.
Techstacks: Selenium, Beautiful Soup, Json, Pandas.

Human Visual Attention Prediction
- Research and build an Inverse Reinforcement Learning model, based on the original paper.
- Used for Visual Search Task.
- Dataset: COCO-Search18 (6,202 images + 300,000 search fixations)
- Score 0.01-0.08 higher than the authors.