

Vo Nguyen Khoi

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EDUCATION

International University, HCMC - VNU HCMC 8/2018 - 2/2023

Major: Biomedical Engineering - GPA: 3.28/4.0

Studying: Machine Learning Engineer

AI Valley - FPT Software Quy Nhon 9/2022 - 12/2022

AI Camp

Studying: AI Engineer Fresher

WORK EXPERIENCE

FPT Software 12/2022 - 2/2024

AI Engineer - Full-time

- Developed a robust pipeline for object detection and tracking to detect and recognize edge camera inputs, collaborating closely with Japanese clients.
- Created an AI Assistant utilizing the LangChain framework, fine-tuning the Azure OpenAI model with customer datasets, and expanding to phase 2 for additional datasets and end-user applications.
- Acquired a comprehensive understanding of artificial intelligence concepts and skills, actively sharing technical expertise with both team members and clients.

A2DS (AI-Associated Diagnosis System) 7/2021 - 4/2023

Machine Learning Engineer - Part-time

- Oversaw the maintenance of the Dry Eye Disease project, demonstrating proficiency in managing the end-to-end process from data collection to web application deployment for end-users, particularly in hospital settings.
- Enhanced domain knowledge in eye disease through continuous learning and collaboration.
- Utilized Docker for efficient project packaging, AWS for seamless back-end deployment, Postman for API requests and testing, and Flask for developing responsive web applications.

TECHNICAL SKILLS

Programming	<ul style="list-style-type: none">- Organize Python code structure.- Follow the PEP 008 rule.- Work frequently with OOP and design patterns.- Pytorch, Detectron2, Anomalib framework.- Basic C++
Docker & Cloud	<ul style="list-style-type: none">- Package project into Docker container with Docker file and Docker compose.- Amazon Web Service: EC2, S3, Lambda.- Azure: Virtual Machine, AKS, API Management, Azure OpenAI.
Version control	Github, Gitlab, Azure DevOps
Command Line Interface	Terminal, Linux
Database Management Systems	MySQL, CosmosDB, Redis

PROJECTS

Machine Learning Learning Path 8-12/2023

This repository is my learning path in Udacity. I will update my learning path in Machine Learning. I hope it will help you to learn Machine Learning on Udacity with many references.

Link project: <https://khoispace.io.vn/machine-learning-learning-path>

End-to-end AI Chatbot 4-5/2023

AboutPipeline LLMs offline combine with own context for generating answer

Link project: <https://khoispace.io.vn/e2e-ai-chatbot>

Anomaly Detection in Industry Manufacturing 9-12/2022

This project showcases an end-to-end training and inference pipeline built on top of Anomalib. It provides a web-based UI for uploading MVTEC-style datasets and training them on the available Anomalib models. It also has sections for calling inferences on individual images as well as listing all the images with their predictions in the database.

Source code: <https://github.com/vnk8071/anomaly-detection-in-industry-manufacturing>

Stroke Prediction using Machine Learning

7/2021

According to the World Health Organization (WHO) stroke is the 2nd leading cause of death globally, responsible for approximately 11% of total deaths.

Source code: <https://github.com/vnk8071/stroke-prediction>

CERTIFICATIONS

Machine Learning Engineer Nanodegree

9/2023

<https://confirm.udacity.com/e/37f26c06-4623-11ee-af45-2bf7f0f28c76>

Machine Learning DevOps Engineer Nanodegree

8/2023

<https://confirm.udacity.com/e/9e0fa520-359e-11ee-bf9a-c326c6f2f188>

IELTS score of 5.5

8/2023

https://www.linkedin.com/posts/khoivn8071_im-so-happy-with-my-ielts-score-thank-activity-7095286339905990656-e0Bi/

Top 9 Challenge Lyric Alignment - Zalo AI Challenge 2022

12/2022

<https://github.com/vnk8071/CTA-Zero9-ZAIC2022-Lyric-Alignment>

Top 15 - DataCentric AI Competition hosted by FPT Software

12/2021

<https://github.com/vnk8071/fpt-ai-data-competition>

Deep Learning Specialization - DEEPLARNING.AI

2021

<https://www.coursera.org/account/accomplishments/specialization/BNQRNGZEGKDA>

Machine Learning with Python - IBM

2021

Python for Data Science and AI - IBM

2020

ADDITIONAL INFORMATION

Website: <https://khoispace.io.vn>

Github: <https://github.com/vnk8071>