

Vo Nguyen Khoi

Ho Chi Minh City, Vietnam

☎ 0777458782 ✉ nguyenkhoi8071@gmail.com 🔗 LinkedIn: <https://www.linkedin.com/in/khoivn8071>

OBJECTIVE

In order to be able to work and develop professionally as a Biomedical Engineer in machine learning in a stable organization where I can demonstrate my expertise in the field of artificial intelligence. I have 1 year of experience in Computer Vision with end-to-end project apply into hospital. So I want to do an internship or job in Artificial Intelligence field to give my knowledge and skills to my future goals. My acquisition and efforts in the project will help in achieving the company's goals and objectives.

EDUCATION

International University, HCMC - VNU HCMC

Aug 2018 - Feb 2023

Major: Biomedical Engineering - GPA: 3.23/4.0

Studying: Machine Learning Engineer

WORK EXPERIENCE

FPT Software

9/2022 - Present

AI Engineer - AI Camp

Key achievements:

- Gaining an overview of artificial intelligence knowledge and skills
- Sharing technical knowledge with teammate and customers.

Contributes:

- Participate in internal and external (Japanese customers) projects for the company.
- Build an end-to-end AI project from collecting data to deploy product.

A2DS (AI-Associated Diagnosis System)

3/2022 - Present

Machine Learning Engineer - Part-time

Contributes:

- Currently, I am maintaining the dry eye disease project of A2DS. Grasp the end-to-end data collection and processing to web applications for end-users (hospitals).
- Work with Docker for project packaging, AWS for back-end deployment, Postman for API requests and testing, flask for web applications, and basic front-end (Html, CSS, JS).

A2DS (AI-Associated Diagnosis System)

7/2021 - 1/2022

Machine Learning Engineer Intern

Key achievements:

- Understanding the pipeline of machine learning products.
- A computer vision project for eye diagnosis.

Contributes:

- Label Studio's custom user interface for labeling annotation.
- Pre-processing and processing data for the dry eye project.

Practiced and learned with:

- Work on Linux servers on a regular basis.
- Used Pytorch and the Detectron2 framework.

improved code structure.

Tools related: Docker, Postman.

TECHNICAL SKILLS

Python programing

- Organize code structure.
- Follow PEP 008 rule.

	<ul style="list-style-type: none"> - Work frequently with object-oriented programming. - Pytorch, Detectron2, Anomalib framework.
Basic C++	<ul style="list-style-type: none"> - Run project with Makefile - Write code for reusing.
Docker & Cloud	<ul style="list-style-type: none"> - Package project into Docker container with Docker file and Docker compose. - Deploy project on Google Cloud Platform with virtual machine and cloud computing. - Amazon Web Service EC2, S3, Lambda.
Version control	Github, Gitlab
Command Line Interface	Terminal, Linux
Database Management Systems	MySQL

PROJECTS

Anomaly Detection in Industry Manufacturing

9-12/2022

This project showcases an end-to-end training and inference pipeline build 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 inference 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>

Website with Django and Heroku

9/2021

Now I can practice and customize the site to my liking and hope everyone has a great experience when visiting my website.

Source code: <https://github.com/vnk8071/deploy-website-django-heroku>

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.

The data collected from Kaggle Community:

<https://www.kaggle.com/datasets/fedesoriano/stroke-prediction-dataset>

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

CERTIFICATIONS

Top 9 Challenge Lyric Alignment - Zalo AI Challenge 2022

11-12/2022

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

Top 15 - DataCentric AI Competition hosted by FPT Software

10-12/2021

<https://khoivn.herokuapp.com/blog/7>

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

ACTIVITIES

Member of IU Soft Skill Club

9/2018 - 8/2020

Program Member

- Learn and practice soft skills.
- Organizing seminars and events for students.

Member of Flagship Startup Club

9/2018 - 8/2019

Academy Member

- Learn and practice the knowledge about entrepreneurship.
- Organize seminars on entrepreneurship for students.

ADDITIONAL INFORMATION

Website: <https://khoivn.herokuapp.com>

- Build, practice and deploy stroke prediction project of Kaggle community.
- Practice Django and Heroku platform.
- Practice Deep Learning by Pytorch.