

An Le Hoang

Machine Learning Engineer / Data Engineer Intern

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https://www.linkedin.com/in/an-le-hoang/ | 📍 Hanoi, Vietnam

Education

Massachusetts Institute of Technology

MicroMaster in Statistics and Data Science

Remote

Feb. 2023 - April 2024

FPT University

Bachelor of Information Technology, Artificial Intelligence Major

Hanoi

Sep. 2020 - Jun. 2024

Le Loi High School

Specialized class of Information Technology

Thanh Hoa

Sep. 2017 - Jun. 2020

Technical Skills

Programming

C++, Python, Java, Bash

Frameworks & Library

Tensorflow, Numpy, Pandas, Pytorch

Professional Softwares

Vim, Terminal, Git, SSH, Docker

Embedded Devices using

I have experience using Jetson nano, and Raspberry Pi for running Deep Learning models remotely

Drawing & Typesetting

LaTeX, Office, Procreate

Other skills

Statistics, Probability, Critical thinking

Languages

Vietnamese (native), English (Advanced)

Work Experiences

Finpros

Hanoi

Machine Learning/ Quantitative Researcher

Jan. 2023

My main task is to research and create machine learning models that could be used to predict future trends of stock prices, then use these information to make decisions in trading. Also, I participated in configuring and maintaining the server of the company.

Research & Projects

Stock prices trend prediction

Hanoi

<https://bit.ly/stock-trend-prediction>

Dec. 2022

I used LSTM to predict trend of stock prices, thereby helping people to make the right analysis and investment.

Text to images application using Stable Diffusion

Hanoi

<https://bit.ly/Text-to-images-using-Stable-Diffusion>

Nov. 2022 - Dec. 2022

I created an application that capable of generating images from texts with the help of Stable Diffusion - an open source SOTA model for text to image generation from Stability AI. My project was done with the help of Pytorch, Tkinter.

AI model to play Super Mario Bros using Reinforcement Learning

Hanoi

<https://bit.ly/Super-Mario-Bros-Reinforcement-Learning>

Nov. 2022 - Dec. 2022

I created a system to learn and play Super Mario using Reinforcement Learning. My project was done with the help of Pytorch, OpenAI Gym, gym super-mario-bros, Nes Py, PPO algorithm.

Personal Fitness assistant application project

Hanoi

<bit.ly/fitness-posture-detection>

Sep. 2022 - Nov. 2022

I have created a system capable of helping practitioners in detecting and fix incorrect fitness poses in real-time. My project was created with the help of Mediapipe-pose technology from google and LSTM network.

Image to hand drawing picture

Hanoi

<bit.ly/Image-to-hand-drawing>

Sep. 2022 - Sep. 2022

I created a program that capable of detecting corners and shades of an image and transforming it into a hand-drawing type of image. In this project, I applied python and the library OpenCV.

Research on Multi-Objective Reinforcement Learning application on recommender system

Hanoi

Researcher

Sep. 2022 - Now

This is my personal research project, the project focuses on finding the multi-objective optimal solution to the recommendation problem using reinforcement learning. The project is currently in the literature review stage.

Gemstone classification application project

Hanoi

bit.ly/Gemstone-classification

Jun. 2022 - Aug. 2022

Our research team created a system capable of helping people identify gemstones in real-time using a mobile application. This project is an actual, contracted project between our research lab and a company called Foxcode.

Personal Portfolio

Hanoi

bit.ly/My-homepage

Feb. 2022 - Feb. 2022

I wrote a personal portfolio page that has many pieces of information about me. To complete this project, I used Next.js, Chakra UI, Framer Motion, and Three.js.

Awards and Honors

Feb. 2022

Contest: "Vietnam ICPC National 2021 - Contestant Honorable mention"

Hanoi

Certificates

Machine Learning by Stanford

Coursera

Credential ID: C5JR2M5BGD9X

Jan. 2022 . No expiration date

Neural network and Deep learning

Deeplearning.ai

Credential ID: N89UBDGZ8HFS

Jan. 2022 . No expiration date

Introduction to Computational Thinking and Data Science

Massachusetts Institute of
Technology

Credential ID: bb29b230815548e883c811e91ad02302

Dec. 2021 . No expiration date

Introduction to Computer Science and Programming Using Python

Massachusetts Institute of
Technology

Credential ID: 6576deda1c5647e58255f5085a0c4844

Oct. 2021 . No expiration date

ICPC Vietnam National 2021

ACM-ICPC

Credential ID: N/A

Feb. 2022 . No expiration date

Volunteer

Vietnamese Olympiad in Informatics Community

<https://vnoi.info/>

Moderator

Feb. 2022 - Present

- Technical consultant

Toanmath.com

<https://toanmath.com/>

Administrator

Feb. 2019 - Sep. 2020

- Propose mathematical contest
- organization management

References

- Mr. Le Dinh Huynh
Teacher of Artificial Intelligence Subject, FPT University, Hanoi, Vietnam
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