

THE KHOI NGUYEN

AI Engineer

Thu Duc City, Ho Chi Minh City, Viet Nam

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Education

FPT University

Sep. 2020 – December 2023

Bachelor of Artificial Intelligence, GPA 8.91

Ho Chi Minh, Viet Nam

- 100% tuition fee scholarship.

Luong Van Chanh High School for the Gifteds

2017 – 2020

Chemistry Major, GPA 9.3

Phu Yen, Viet Nam

- 2 Silver Medals in the 30/4 Olympic Contest.
- Competed twice in the National Chemistry Contest.

Experience

Gradients Technologies

Sep. 2022 – January 2023

AI Engineer Intern

Ho Chi Minh, Viet Nam

- Researched and fine-tuned Transformer models.
- Implemented bucket processing in Tensorflow training.
- Implemented OOP in source code managements.

NanoDyne Pte. Ltd.

November 2023 – January 2024

AI Programming Engineer

Remote

- Model: researched and applied TFLite models for object detection.
- Assisted in development of a mobile application for Android using Kotlin.

Prizes and Awards

IELTS Academic

Dec. 2019

- Overall: 7.0 (Scored 9.0 on Reading skill).

Projects

Object Recognition and Counting Based on CNN | *Python, Roboflow, YOLO, Pytorch*

Sep. 2023 - Dec. 2023

- Project management: Leader, applied Scrum framework.
- Dataset: Collected, annotated, and augmented.
- Algorithm: Researched about ByteTrack, BOT-SORT on counting objects.
- Algorithm: Experimented small-object-detection algorithm: SAHI.
- Model: Finetuned YOLOv5 models.
- Document: using Latex language to write reports.

Receipt Information Extraction | *Python, Opencv*

Mar. 2023

- Image Processing: Detected edges, cropped and warped perspective the receipt in an image.
- Python Development: Developed a data labelling app using Python Tkinter.

Fall Detection Web app | *Python, Opencv, Mediapipe, Support Vector Machine (SVM), Heroku*

Jun. 2022

- Deployed FastAPI app onto Heroku.
- Document: using Latex to write reports.

Car Price Predicting Model [FPT AI Residency Entry Test] | *Python, Scikit-learn*

May 2022

- Cleaned data.
- Trained a Random Forest Regressor model.

Technical Skills

Languages: Python, SQL, Java, Kotlin, C, Latex.

Version Control Tools: Github.

Technologies/Frameworks: Tensorflow, Pytorch, Scikit-Learn.

Extracurricular

TEDx FPTU HCMC 2021

Spring 2021

Event Organizer Collaborator

Ho Chi Minh, Viet Nam

- Greeted attendees.
- Set up the revenue and prepared the tea break.