

THE KHOI NGUYEN

AI Engineer

District 7, Ho Chi Minh City, Viet Nam

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Education

FPT University

Bachelor of Artificial Intelligence, GPA 8.91

- 100% tuition fee scholarship.

Sep. 2020 – December 2023

Ho Chi Minh, Viet Nam

Luong Van Chanh High School for the Gifteds

Chemistry Major, GPA 9.3

- 2 Silver Medals in the April 30th Olympic Contest.
- Competed twice in the National Chemistry Contest.

2017 – 2020

Phu Yen, Viet Nam

Experience

Gradients Technologies

AI Engineer Intern

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

Sep. 2022 – January 2023

Ho Chi Minh, Viet Nam

NanoDyne Pte. Ltd.

AI Programming Engineer

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

Nov. 2023 – January 2024

Remote

Projects

Object Recognition and Counting | *Python, Roboflow, YOLO, Pytorch*

- 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.

Sep. 2023 – December 2023

Slide Generation using ChatGPT | *Python, ChatGPT*

- A product generates a PowerPoint presentation file (ppt) by taking a brief sentence and the desired number of slides as input. The resulting presentation includes content and images that align with the given description.

August 2023

Vietnamese Receipt Information Extraction | *Python, Opencv*

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

March 2023

Relevant Courseworks and Certificates

- Big Data
- Natural Language Processing
- Deep Learning
- Digital Image Processing
- Google Project Management
- Google Data Analytics

Skills

English: Academic IELTS, overall 7.0 (issued Dec. 2019)

Programming languages: Python, SQL, Java, Kotlin, C, Latex.

Version Control Tools: Github.

Technologies/Frameworks: Tensorflow, Pytorch, Scikit-Learn, Opencv, Matplotlib, Pandas.

Extracurricular

TEDx FPTU HCMC 2021

Event Organizer Collaborator

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

Spring 2021

Ho Chi Minh, Viet Nam