THE KHOI NGUYEN
AI Engineer

District 7, 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 April 30th 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.   Nov. 2023 – January 2024
AI Programming Engineer   *Remote*
- Model: researched and applied TFLite models for object detection.
- Assisted in development of an Android application using Kotlin.

Projects

Object Recognition and Counting | *Python, Roboflow, YOLO, Pytorch*   Sep. 2023 – December 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.

Slide Generation using ChatGPT | *Python, ChatGPT*   August 2023
- 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.

Vietnamese Receipt Information Extraction | *Python, Opencv*   March 2023
- Image Processing: Detected edges, cropped and warped perspective the receipt in an image.
- Python Development: Developed a data labeling app using Python Tkinter.

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   Spring 2021
Event Organizer Collaborator   *Ho Chi Minh, Viet Nam*
- Greeted attendees.
- Set up the revenue and prepared the tea break.