THE KHOI NGUYEN

AI Engineer Intern

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 9.0 *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.

Experience

Gradients Technologies **Sep. 2022 – January 2023**
AI Engineer Intern *Ho Chi Minh, Viet Nam*
- Researched and fine-tuned Transformer models.
- Collected multilingual data to train the AI engine.
- Implemented bucket processing in data loading, from scratch.
- Implemented OOP in developing AI projects.
- Provided support in training machine translation models.

Prizes and Awards

IELTS Academic **Dec. 2019 – December 2021**
- Overall: 7.0 (Scored 9.0 on Reading skill).

Projects

Object Recognition and Counting | *Python, Roboflow, YOLO, Pytorch* **Sep. 2023-current**
- Collect, and annotate images.
- Finetune YOLO(and some other competitors) model(s) to perform recognition and counting.

Receipt Information Extraction | *Python, Opencv, Tkinter* **Mar. 2023**
- Image Processing: Detected edges, cropped and warped perspective the receipt in an image.
- Python Development: Developed a Python Tkinter tool for our team to label data manually.

Fall Detection Web app with API | *Python, Opencv, Mediapipe, Support Vector Machine (SVM), Heroku* **Jun. 2022**
- Deployed the app onto Heroku and create an API using FastAPI.

Car Price Predicting Model | *Python, Scikit-learn* **May 2022**
- Cleaned data.
- Trained a regression model based on Random Forest Regressor to predict car price from information like manufactured year, engine power or mileage.
- The model achieved a r2_score of 0.97.

Relevant Courseworks and Certificates

- Big Data
- Digital Image Processing
- Deep Learning
- Data Structures and Algorithms
- Database Systems
- Object-Oriented Programming
- Advanced Algorithms
- Google Data Analytics

Technical Skills

Languages: Python, SQL.
Version Control Tools: Github.
Technologies/Frameworks: Tensorflow, Pytorch, Scikit-Learn, Numpy, Pandas.

Extracurricular

TEDx FPTU HCMC 2021 **Spring 2021**
Event Organizer Collaborator *Ho Chi Minh, Viet Nam*
- Greeted attendees.
- Took part in setting up the revenue and preparing the tea break.