



Khiem Ton That

AI Engineer Intern

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OBJECTIVE

- Be able to handle the fundamental tasks of a AI Engineer including working with Big Data and Machine Learning pipelines as well as APIs.
- In the future, I would like to become a Research Scientist in the Machine Learning Field because not only I want to apply knowledge but also create new knowledge.

EDUCATION

August 2020 - present **FPT University**
Major: Software Engineering
GPA: 9.1/10

CERTIFICATIONS

2021 Coursera Machine Learning Certification

2021 MITx's 18.01x, 18.02x, 6.0001x Certification

2018 B2 Cambridge English Certification

HONORS & AWARDS

11/2022 FPT University's Golden Toad for the Most Outstanding Student

09/2022 FPT Edu Hackathon 2022
- Second prize runner-up

07/2022 FPT University's Spring Semester Top 5 Award

06/2022 AWS AI & ML Scholarship's Program Recipient

2020 FPT University 100% Honor Scholarship

SKILLS

Programming Language Python, SQL, Java

Python-specific Libraries Numpy, Pandas, Seaborn, Scikit-learn, Pytorch, BeautifulSoup, SQLAlchemy

Basic MLOps Tools Linux Administrator, AWS, Azure, Docker, Github CI/CD, Git

Data Technologies Apache Spark, Apache Cassandra, Apache Kafka

Language English

PROJECTS

ASL Translator

(05/2023 - now)

Customer	Self Project
Description	An application that translates ASL in real-time.
Team size	1
My position	Lead Developer
My responsibilities	<ul style="list-style-type: none">- Develop Human Pose Landmarks Detection using MediaPipe- Use Pytorch to train a model to predict the signs- Use Android Studio to deploy the app
Technologies used	<ul style="list-style-type: none">- Python- Pytorch, Pytorch Lightning- MediaPipe- Android Studio

iSpooF

(02/2023 - now)

Customer	Self Project
Description	- A CLI application that helps Pokemon GO players to change iOS device's GPS.
Team size	1
My position	Lead Developer
My responsibilities	<ul style="list-style-type: none">- Scrape Pokemon's geolocation data using BeautifulSoup4- Implement code to calculate the location change's cooldown based on the distance.- Implement database to save user activities' history.- Implement next location's recommender based on last user's activity.- Communicate to iOS's device and change the location using Python
Technologies used	<ul style="list-style-type: none">- Python- BeautifulSoup4- pymobiledevice3

Database CDC Project

(01/2023 - 03/2023)

Customer	Internal Project
Description	Track Data Changes a source Database to a destination Database in real-time
Team size	1
My position	Lead Developer
My responsibilities	<ul style="list-style-type: none">- Implement Database the Destination Database- Deploy Azure EventHubs, Data Factory, and Databricks- Design a Data Pipeline using Data Factory- Capture Data Changes using Debezium and Apache Kafka then sends to EventHubs- Process the Streaming Data from EventHubs using Azure Databricks- Update the destination Database using Debezium- Analyze the updated data using PowerBI
Technologies used	<ul style="list-style-type: none">- MySQL- Debezium- Apache Kafka- Azure services- PowerBI

Flower Classifier

(11/2022 - 12/2022)

Customer	Internal Project
Description	- An attempt to create an end-to-end Deep Learning App which can classify flowers.
Team size	1

My position	Developer
My responsibilities	<ul style="list-style-type: none"> - Prepare the data - Preprocess the dataset - Use Pytorch to train the model - Do validation, compare performances between different model architectures. - Deploy the model using FastAPI and Docker.
Technologies used	<ul style="list-style-type: none"> - Python - Pytorch - Docker - Git, Github and Github Actions CI/CD

Shoppii

(09/2022 - 11/2022)

Customer	Class Project
Description	- An e-commerce web-application that mimics Shopee and written in Java.
Team size	5
My position	Leader, Backend Developer
My responsibilities	<ul style="list-style-type: none"> - Shared works for team members. - Written SRS, Test Cases for the Projects - Developed Java backend, using Maven and Argon2l as new technologies. - Wrote RESTful APIs using Java Servlets - Managed Project's database, which is a MySQL/MariaDB database - Managed AWS S3 as an image storage - Wrote Java test cases using Junit and Mockitos
Technologies used	<ul style="list-style-type: none"> - Java, ReactJS - MySQL/ MariaDB - RESTful APIs - AWS S3 - Maven - Git, Github and Github Actions CI/CD