

# Hieu Trung Dao

SOFTWARE ENGINEER · AI ENGINEER · ML OPS

Hanoi, Vietnam

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“Keep learning”

## Summary

I am passionate about technology and find immense joy in diving deep into the realms of Data, Machine Learning, and Artificial Intelligence. Continuously learning and staying at the forefront of these fields is a driving force for me. I thrive in environments that foster personal and professional growth, as I believe in constantly pushing my boundaries and developing my skills. Moreover, I am eager to collaborate with talented team members, combining our strengths to contribute to the success of the company.

## Work Experience

### FPT Software Ltd.

Hanoi, Vietnam

AI ENGINEER

Jul. 2022 - Present

- Delivery the MLOps platform to store, process, and model for time series data based on serverless microservices architecture.
- Build both stream and batch processing for process data and inference.
- Research and do experiment to solve industry problem.
- Continuous Delivery AI model on Edge and Cloud.
- Work with customers to ensure the user requirements and system requirements of the project.
- Participate in daily, sprint planning, sprint retro meetings.

### Nautilus Tech JSC

Hanoi, Vietnam

AI INTERN

Mar. 2021 - Jun. 2022

- Research and testing deeplearning model for object detection.
- Deploy models to the production environment.

### Meditech JSC

Hanoi, Vietnam

AI INTERN

Jun. 2020 - Nov. 2020

- Train deep learning models and evaluate Computer Vision projects.
- Deploying models as REST API.

### VNP Group

Hanoi, Vietnam

AI INTERN

Nov. 2019 - Apr. 2020

- Data preprocessing (clean data, label data, crawl data).
- Building application to extract information from documents.
- Contributing to NER model for CV extraction project.

## Projects

### Intelligent Project Management Assistant

PROJECT

- Utilizes a large language model (finetune LLAMA model) to provide assistance to project managers in planning, separating project phases, writing user stories, and assigning tasks
- By leveraging the capabilities of the language model, this project aims to streamline the project management process and enhance the efficiency and effectiveness of project managers.

### Sticker AI

AI CENTER HACKATHON 2023

- Using AI model to generate sticker based on Stable Diffusion.
- Optimize and building Triton inference server to deploy large diffusion model.

## Time Series MLOps Platform

### PRODUCT

- Building MLOps platform that uses anomaly detection to automate product and machine inspection and health monitoring, intending to support predictive equipment maintenance.
- The platform can be easily deployed to any edge-devices with low-code requirements from the client. The result supports machine health monitoring, even with no abnormal data.

## Credit scoring

### KALAPA'S CREDIT SCORING CHALLENGE

- Building machine learning model to predict credit score. It is a measure of an individual's ability to pay back the borrowed amount.
- Data cleaning, feature selection, feature engineering and use woe-iv method. Testing different models, hyper-parameter for tuning.
- Top 4% (private score: 0.25318, public score: 0.25236)

## Education

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### Troy University

Hanoi, Vietnam

#### B.S. IN COMPUTER SCIENCE

2018 - 2023

- Studied at HUST Campus (Hanoi University of Science and Technology)
- GPA: 3.0

## Honors & Awards

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2023 **Winner**, AI Center Hackathon 2023

Hanoi, Vietnam

2021 **The Third position at first phase**, AICOVID 115M Challenge

Hanoi, Vietnam

## Skills

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**Programming** C++, Python, JAVA, Go

**Data** Hadoop, Spark, Flink, Kafka, DVC, Parquet, Delta Lake, Databricks, MySQL, PostgreSQL, MongoDB, InfluxDB, Milvus, FAISS

**Development** Tensorflow, Pytorch, JAX, Pytorch Lightning, DeepSpeed, Streamlit, Gradio, BentoML, Triton, Mlflow, Wandb, Feast, Pandas, Numpy, Sklearn, lightgbm, Librosa, OpenCV, Selenium, Accelerate

**Deployment** Azure, Docker, Kubernetes, Jenkins, Nginx, ONNX, TensorRT, CoreML, Seldon, Slurm, Git

**Languages** Vietnamese, English

## Certificates

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**Microsoft**, AI-900: Azure AI Fundamentals

**Databricks**, Data Engineer Associate

**Databricks**, Lakehouse Fundamentals