

## Contact

[www.linkedin.com/in/hung-son-nguyen-dinh-093a78238](https://www.linkedin.com/in/hung-son-nguyen-dinh-093a78238) (LinkedIn)

## Top Skills

Multimodal

Computer Vision

Natural Language Processing (NLP)

# Hung Son Nguyen Dinh

Technology Specialist at Vinbigdata

Ho Chi Minh City, Vietnam

## Experience

VinBigdata

AI Engineer

November 2024 - Present (5 months)

Assisted in developing a system covering the entire process from data collection to predictive modeling.

Deployed models on AWS using Lambda, SageMaker, and other cloud services.

Vingroup AI Engineer Training Program

3 months

Trainee

October 2024 - October 2024 (1 month)

Building a model of Duplicate Questions Detection

Using a deep learning-based Siamese Network architecture 1

Experimented with various encoding layers, including RNNs, GRUs, and transformer-based models like Dis-tiBERT, and cross attention mechanism combined with different similarity networks to capture semantic similarity between question pairs.

Trainee

September 2024 - September 2024 (1 month)

Participate in a project to build a model of OutDoor Fire Smoke Detection

Utilizing a combination of YOLOv8 and CNN

YOLOv8 is employed to predict bounding boxes that potentially contain objects, and after identifying these bounding boxes, we crop them and pass the regions through a CNN classification model.

The results obtained demonstrate that our proposed methods are feasible and applicable in real-world scenarios.

Trainee

August 2024 - August 2024 (1 month)

Continue researching Multimodal

Solving Visual Question Answering task is by finetuning PaliGemma with using QLoRA, a Parameter Efficient Finetuning technique that makes finetuning much more low-resource

The result of PALIGemma model evaluated on the test set with vqa score reaching 76.42% show that is competitive with current state-of-the-art models such as PALI, BEIT-3.

FPT University

Student

September 2023 - December 2023 (4 months)

Research about Multimodal Speech Emotion Recognition

Paper Accepted at ICOIN 2024 - <https://ico.in.org/>

Recognize speech emotions through two modalities: audio and textual

Employed TensorFlow and PyTorch to develop and train sophisticated multimodal deep learning frameworks.

By changing the pretrain method and using many attention mechanisms, the accuracy of the model outperform the previous from 0.6 to 0.8 (20%)

FPT University

Student

January 2023 - June 2023 (6 months)

Building a website for selling Trading Card Game and Collectibles

Using JavaScript and NextJS to build a simple website for selling things.

FPT Software

4 months

Engineer Intern

September 2022 - December 2022 (4 months)

AI Engineer Intern

September 2022 - December 2022 (4 months)

Extracting and organizing information from the web, a team of data specialists deploys crawling algorithms to methodically scan and retrieve targeted data from selected websites.

---

## Education

FPT University

· (2020 - 2024)

Tran Dai Nghia Specialized High School  
High School, Academic · (2015 - 2018)