

NGUYEN TUNG

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EDUCATION

Hanoi University of Science and Technology

09/2023 – 12/2025

Master of Science in Applied Mathematics and Informatics

Type of Degree: Excellent

Cumulative GPA (CPA): 3.81/4.0

Hanoi University of Science and Technology

09/2017 – 05/2022

Degree of Engineer in Applied Mathematics and Informatics

Type of Degree: Very Good

Cumulative GPA (CPA): 3.46/4.0

Chu Van An National High School

09/2014 – 05/2017

High school diploma

SKILLS

Research Interests

Computer Vision, Generative AI, Reinforcement Learning.

Technical Skills

Programming Languages

Python, C#, C/C++, MATLAB

Frameworks

PyTorch, TensorFlow, MLFlow

Tools

Docker, Git, Label Studio, Roboflow, N8N, Dify, Ollama, vLLM.

Soft Skills

Leadership, Teamwork, Presentation, Problem-solving, Scrum.

WORK EXPERIENCE

AI Engineer, Viettel Solutions Corp., Full-time

03/2022 – Present

- Intelligent Document Processing: Research on Layout Analysis, Table Extraction, Vision Language Models
- Apply Segment Anything model and LLMs to Scene change detection problem.
- MLOPs project: Build automated data annotation pipelines for Computer Vision projects.
- Build data processing pipeline for license plate recognition project. Deploy license plate recognition pipeline with Triton serving. Research and develop traffic violation behaviours recognition features
- Research and developed speech enhancement models for Viettel Meeting Platform.

Research Consultant, WorldQuant BRAIN, Part-time

03/2025 – Present

- Research financial alphas and simulate on WorldQuant BRAIN platform

AI Engineer Intern, Grooo International Jsc., Part-time

10/2021 – 03/2022

- Research face processing problems, object tracking models.
- Participate in camera monitor system project.

Data Scientist Intern, PIXTA Vietnam Co. Ltd., Part-time

12/2020 – 06/2021

- Research facial expression recognition and multitask learning.
- Research face recognition models.
- Annotate and visualize image datasets.

AI Engineer Intern, Techainer Jsc, Part-time

8/2020 – 10/2020

- Do eKYC for Vietnamese ID cards.

AWARDS

Tuổi trẻ sáng tạo toàn quốc awarded by Ho Chi Minh Communist Youth Union	2025.
Academic Scholarship awarded by business partners of HUST	2020, 2021.

PUBLICATIONS

VPHQA: Vietnamese Pregnancy Health Question Answering dataset, EAI INISCOM 2025. DOI 10.1007/978-3-032-02362-9_13.

Chatbot and Reproductive Health for Minority Women, AI4SDF 2025.

The Solution of Computer Vision for Combating Covid-19, Computational Intelligence Techniques for Green Smart Cities, Springer, 2021. DOI: 10.1007/978-3-030-96429-0_9.

PERSONAL PROJECTS

dMOM Chatbot

- Medical Chatbot for dMOM Project (sponsored by PHAD, Ministry of Health)
- Finetune LLM, build RAG pipeline.
- build a simple webapp

AI-Traffic-Analysis

- Project page: <https://github.com/tungedng2710/AI-Traffic-Analysis>
- Train detection and OCR models
- Build analysis service: vehicle detection, tracking, plate detection, OCR
- Build webapp for demo

Vietnamese ID Card Recognition

- Research and implement some object detector for card alignment problem
- Use some trained models for text detection and OCR.

CERTIFICATIONS

Quant Finance Explorer Program'24 , WorldQuant	11/2024
Google Advanced Data Analytics , Google	08/2024
Google Project Management , Google	08/2024
Google AI Essential , Google	08/2024
IELTS Academic , British Council, Overall score: 6.0	05/2023

ACTIVITIES

Mentoring Viettel Digital Talent Program	2026
Mentoring Scientific Research Competition for high school students	2023, 2024, 2025
Extra-class Assistant at the SAMI (HUST) study support club	01/2018 – 08/2018
Volunteer at the SAMI (HUST) Volunteer organization	10/2017 – 08/2018