

DANG CAO CUONG

ABOUT ME

I am an AI Research resident at FPT Software AI Center. My long-term goal is to bridge the gap between research and real-world applications. For example, I generally question whether the metrics are good enough or whether the applications in research can adapt to the dynamics of the physical world. In addition, I'm actively looking for a PhD position starting in Fall 2025.

WORKS

FPT Software AI Center

AI Research Resident.

2023-now

Ho Chi Minh University of Technology

Graduated in the Department of Computer Science and Engineering

GPA: 8.46 (Rank 10/150)

2019-2023

RESEARCH INTEREST

- Probabilistic Machine Learning
- Drug Discovery
- NLP
- Trustworthy AI
- Robust & Reliable Machine Learning
- Explainable AI

PUBLICATION

A Curious Case of Searching for the Correlation between Training Data and Adversarial Robustness of Transformer Textual Models

ACL Findings 2024

May 2024

Score-based Diffusion Model for Conformer Generation

ICIT 2023

Jan, 2023

RESEARCH ACTIVITY

Continual Machine Generated Text Detection

Apply continual learning to classify machine-generated texts in the wild.

April 2024

Reprogramming for Enhancing Adversarial Robustness

Investigate how reprogramming techniques enhance robustness of image classifiers.

Dec 2023

Textual Diffusion Model for Code Generation

Investigate how Textual Diffusion Models leverage code generation.

Aug 2023

Graph Diffusion Model for Conformer Generation

Apply score-based diffusion model for conformer generation.

Sep 2022

Monocular Depth Estimation

Coursework - Using generative models such as GANs, VAE to generate depth for each pixel.

April 2022

Join iURP program

Research program held by the EECS department of KAIST, Korea Advanced Institute of Science and Technology.

January 2022

ACHIEVEMENTS

Academic Encouragement Scholarship

Scholarship for top 5 students in the department - 5 semesters

2019-2023

Academic Encouragement Scholarship

This scholarship is intended for students in my university with top 1% GPA. In that year, I got the highest GPA amongst CS students.

2019-2020

Mathematical Competition for High School Students in Ho Chi Minh City

First Prize

2018-2019

Lawrence Sting Scholarship

A scholarship sponsored by Lawrence Sting Corporation is intended for outstanding students from High Schools for the Gifted and top Universities in Ho Chi Minh city.

2018-2019

Competition of Solving Problems with Casio Calculator for High School Students in Ho Chi Minh City

Second Prize

2018-2019

Mathematical Competition for High School Students in Ho Chi Minh City

First Prize

2017-2018

CERTIFICATIONS

IELTS

Overall Score: 6.5



SKILLS

Languages

Vietnamese (mother tongue)
English

Machine Learning

Familiar with libraries: SKLEARN, PYTORCH, TENSORFLOW,
TORCH_GEOMETRIC, TENSORFLOW_FEDERATED

Mathematics

Linear Algebra, Calculus,
Probability & Statistics,
Linear/Integer Programming