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 AI Center 2023-now
AI Research Resident.

Ho Chi Minh University of Technology 2019-2023
Graduated in the Department of Computer Science and Engineering
GPA: 8.46 (Rank 10/150)

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 May 2024
ACL Findings 2024

Score-based Diffusion Model for Conformer Generation Jan, 2023
ICIT 2023

RESEARCH ACTIVITY

Continual Machine Generated Text Detection April 2024
Apply continual learning to classify machine-generated texts in the wild.

Reprogramming for Enhancing Adversarial Robustness Dec 2023
Investigate how reprogramming techniques enhance robustness of image classifiers.

Reprogramming for Enhancing Robustness Dec 2023
Investigate how reprogramming techniques enhance robustness of image classifiers.

Diffusion Model for Code Generation Aug 2023
Investigate how Textual Diffusion Models leverage code generation.

Monocular Depth Estimation April 2022
Coursework - Using generative models such as GANs, VAE to generate depth for each pixel.

Join iURP program January 2022
Research program held by the EECS department of KAIST,Korea Advanced Institute of Science and Technology.

ACHIEVEMENTS

Academic Encouragement Scholarship 2019-2023
Scholarship for top 5 students in the department - 5 semesters

Academic Encouragement Scholarship 2019-2020
This scholarship is intended for students in my university with top 1% GPA. In that year, I got the highest GPA amongst CS students.

Mathematical Competition for High School Students in Ho Chi Minh City 2018-2019
First Prize

Lawrence Sting Scholarship 2018-2019
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.

Competition of Solving Problems with Casio Calculator for High School Students in Ho Chi Minh City 2018-2019
Second Prize

Mathematical Competition for High School Students in Ho Chi Minh City 2017-2018
First Prize

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