DOAN NGOC KHANH

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OBJECTIVE

My research focuses on Deep Generative Models, including Diffusion Models, Consistency Models, and Auto-Regressive Models. I am particularly interested in improving generation quality and computational efficiency in both the training and inference stages.

EDUCATION

Bachelor of Computer Science, Hanoi University of Science and Technology ⬩ 2018 - 2023

- GPA: 3.59/4.0, Major GPA: 3.67/4.0

High school, Math group, Le Hong Phong high school for gifted students, Nam Dinh ⬩ 2015 - 2018

AWARDS

Second Prize in Ministerial Science and Technology Award for Students in Higher Education Institutions ⬩ 2022

Excellent (A-class) Study Encouragement Scholarship at Hanoi University of Science and Technology ⬩ 2021

Gold Medals for both Algebra and Calculus, Group A, Vietnamese Mathematical Olympiad for college students, Vietnam Mathematical Society (VMS) ⬩ 2019

Second Prize in Vietnamese Mathematical Olympiad (VMO) ⬩ 2018

Third Prize in Vietnamese Mathematical Olympiad (VMO) ⬩ 2017

EXPERIENCE

Research resident ⬩ Apr 2025 - Now
Qualcomm AI Research ⬩ *Gia Lam, Hanoi, Vietnam*

- Diffusion Language Models, Quantization

Research resident ⬩ Aug 2023 - Mar 2025
VinAI Research ⬩ *Gia Lam, Hanoi, Vietnam*

- Diffusion Models, Consistency Models and applications

Research assistant ⬩ Aug 2021 - Jun 2023
ICN Lab ⬩ *HUST, Hanoi, Vietnam*

- Applied Artificial Intelligence in Healthcare
- Federated Learning

PUBLICATIONS

Quan Dao[*][†], Khanh Doan[*], Di Liu, Trung Le, Dimitris Metaxas
Improved Training Technique for Latent Consistency Models (ICLR) ⬩ 2025

Quyen Tran[*], **Tung Lam Tran**[*], Khanh Doan, **Toan Tran, Dinh Phung, Khoat Than, Trung Le**
Boosting Multiple Views for pretrained-based Continual Learning (ICLR) ⬩ 2025

Anh Bui, Long Vuong, Khanh Doan, **Trung Le, Paul Montague, Tamas Abraham, Dinh Phung**
Erasing Undesirable Concepts in Diffusion Models with Adversarial Preservation (NeurIPS) ⬩ 2024

Cuong Nguyen, Cuong Dao, Thanh Nguyen, Khanh Doan, **Le Nguyen, Hung Nguyen**
Deep Reinforcement Learning-Based Charging Algorithm for Target Coverage and Connectivity in WRSNs ⬩ 2022

Hoang Phan, Long Nguyen, Long Nguyen, Khanh Doan
Matching the statements: A simple and accurate model for key point analysis (EMNLP-W) ⬩ 2021