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

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

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