

# KHANH DOAN

[Email](#) ◊ [Website](#) ◊ [Github](#) ◊ [LinkedIn](#)

## RESEARCH INTERESTS

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

**Math Honors Class**, Le Hong Phong High School for the Gifted, Ninh Binh 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

## RESEARCH 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<sup>\*†</sup>, Khanh Doan<sup>\*</sup>, Di Liu, Trung Le, Dimitris Metaxas** 2025  
Improved Training Technique for Latent Consistency Models (ICLR)

**Quyen Tran<sup>\*</sup>, Tung Lam Tran<sup>\*</sup>, Khanh Doan, Toan Tran, Dinh Phung, Khoat Than, Trung Le** 2025  
Boosting Multiple Views for pretrained-based Continual Learning (ICLR)

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

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

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