

Quyen Tran

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Overview

My research focuses primarily on *Continual Learning*, *Transfer Learning*, and *Robust Machine Learning*, with the aim of developing **truly intelligent and reliable systems** that can operate effectively under control and support human life.

Education

Hanoi University of Science and Technology (HUST)

B.Sc., Computer Science.

Hanoi, Vietnam

Aug 2017 – Nov 2021

- GPA: 3.71/4.0 (Overall), 3.81/4.0 (Major)
- Top: 3/542, graduated with an Excellent Degree.
- Thesis: “On the Benefits of Lipschitz Continuity in Neural Networks”.

Experience

VinAI Research

Research Resident

Hanoi, Vietnam

Aug 2022 – Present

- Advisors: [Trung Le](#), [Dinh Phung](#), [Nhat Ho](#), [Thien Nguyen](#).
- Main research topics: *Continual Learning*, *Domain Adaptation*, *Robust machine learning*.
- First/Co-first author of 4 publications at NeurIPS, EMNLP, AAAI, and 3+ other submissions currently under review.

Data Science Laboratory (HUST)

Research Assistant

Hanoi, Vietnam

Sep 2019 – Aug 2022

- Advisors: [Khoat Than](#), [Linh Ngo](#).
- Main research topics: *Probabilistic inference*, *Recommendation systems*.

Vingroup Big Data Institute

Teaching Assistant

Hanoi, Vietnam

Aug 2021 – Oct 2021

- Machine Learning course.

Publications

- [Preserving Generalization of Language models in Few-shot Continual Relation Extraction](#) [↗](#)
Quyen Tran*, Thanh Nguyen*, Anh Nguyen*, Nam Le, Trung Le, Linh Ngo, Thien Nguyen.
Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing (EMNLP).
- [Enhancing Domain Adaptation through Prompt Gradient Alignment](#) [↗](#)
Hoang Phan*, Lam Tran*, **Quyen Tran*** and Trung Le.
Proceedings of the Advances in Neural Information Processing Systems, 2024 (NeurIPS).
- [Lifelong Event Detection via Optimal Transport](#) [↗](#)
Viet Dao*, Cuong Pham*, **Quyen Tran***, Thanh-Thien Le, Linh Ngo, Thien Nguyen.
Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing (EMNLP).
- [Few-Shot, No Problem: Descriptive Continual Relation Extraction](#) [↗](#)
Thanh Nguyen*, Anh Le*, **Quyen Tran***, Thanh-Thien Le, Linh Ngo, Thien Nguyen.
Proceedings of the AAAI Conference on Artificial Intelligence (AAAI).
- [From Implicit to Explicit Feedback: A deep neural network for modeling sequential behaviors and long-short term preferences of online users](#) [↗](#)
Quyen Tran*, Lam Tran*, Linh Chu Hai, Ngo Van Linh, Khoat Than.
Neurocomputing 2022 (Neurocomputing, Q1 journal).

(*) denotes equal contribution

Selected Submissions

- [Boosting Multiple Views for pretrained-based Continual Learning](#) [↗](#)
Quyen Tran, Lam Tran, Khanh Doan, Toan Tran, Khoat Than, Dinh Phung, Trung Le. *Under review at ICLR 2025 (6665)*.
- [Improving Generalization with Flat Hilbert Bayesian Inference](#) [↗](#)
Tuan Truong*, **Quyen Tran***, Quan Pham, Nhat Ho, Dinh Phung, Trung Le. *Under review at ICLR 2025 (8863)*.
- [Leveraging Hierarchical Taxonomies in Prompt-based Continual Learning](#) [↗](#)
Quyen Tran, Hoang Phan, Minh Le, Tuan Truong, Dinh Phung, Linh Van Ngo, Thien Huu Nguyen, Nhat Ho, Trung Le. *Under review at CVPR 2025*.

(*) denotes equal contribution

Honors and Awards

Vietnam's national university examination

June 2017

- Score: 29.25/30 (A combination - Maths, Physics, Chemistry).
- Top 0.1% out of 853,896 candidates.

Talent Scholarships for Undergraduates, HUST

2017 - 2021

- Spring 2018, Fall 2018.
- Spring 2019, Fall 2019.
- Spring 2020, Fall 2020.
- Spring 2021.

Professional Services

Reviewer at ICLR (2025)

References

(random order)

1. [Prof. Dinh Phung](#) [↗](#),
Full Professor, Monash University
2. [Prof. Trung Le](#) [↗](#),
Assistant Professor, Monash University
3. [Prof. Thien Nguyen](#) [↗](#),
Associate Professor, University of Oregon.
4. [Prof. Nhat Ho](#) [↗](#),
Assistant Professor, The University of Texas at Austin.