

Quyen Tran

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Overview

My research primarily centers on *Continual Learning*, *Transfer Learning*, and *Robust Machine Learning*, with the goal of developing **truly intelligent and reliable systems**. These systems are expected to actively accumulate and consolidate knowledge over time while also being safe, private, and trustworthy.

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.