

Tuan M. Truong

✉ mt2000@students.cs.ubc.ca ☎ +84357324429 🔗 tuantruongubc.github.io in tuan-truong-620a5119b
 🔗 tuantruongubc

Education

University of British Columbia Sept 2020 – May 2024
BSc, Combined Honours in Mathematics and Computer Science
 ◦ GPA: 4.1/4.33

National/International Prizes

International Mathematical Olympiad (IMO) 2018
 ◦ Bronze Medal (2018)

Iranian Geometry Olympiad (IGO) 2018
 ◦ Gold Medal, First Runner-up (Free level)

Vietnamese Mathematical Olympiad (VMO) 2017-2018
 ◦ Second prize (2018), Third prize (2017).

Experience

Qualcomm AI Research Hanoi, Vietnam
Research Resident Apr 2024 – Present
 Supervisors: Professors Tan Nguyen and Dinh Phung
 ◦ Main research topic: Parameter-efficient Fine-tuning (PEFT) and Mixture of Experts (MoE).

VinAI Research Hybrid
Research Resident Feb 2022 – Mar 2024
 Supervisor: Professor Trung Le
 ◦ Main research topic: Parameter-efficient Fine-tuning (PEFT), Bayesian Inference, and Optimization Theory.
 ◦ Participated in a Smart City project that aims to build a prompt-based open-set detection system for the corridors and elevators.

University of British Columbia Vancouver, Canada
Research Assistant Apr 2022 – Dec 2022
 Supervisor: Professor Kevin Leyton-Brown
 ◦ Developed a theoretical algorithm for the UNSAT solver by incorporating the MCTS and other reinforcement learning techniques to improve branching policies. The project is funded full-time by the Work Learn International Undergraduate Research Awards program.

Teaching Assistant Jan 2023 - Apr 2023
 ◦ Teaching Assistant for the course CPSC 340: Machine Learning and Data Mining

FPT Software Hybrid
Research Resident May 2021 – Jul 2022
 Supervisor: Professor Hung Tran-The
 ◦ Main research topic: Contextual bandits and Offline Reinforcement Learning.

Publications

Promoting Ensemble Diversity with Interactive Bayesian Distributional Robustness for Fine-tuning Foundation Models ICML 2025

Tuan Truong*, Ngoc-Quan Pham*, Quyen Tran, Tan Minh Nguyen, Dinh Phung, Trung Le

RepLoRA: Reparameterizing Low-rank Adaptation via the Perspective of Mixture of Experts

ICML 2025

Tuan Truong*, Chau Nguyen*, Huy Nguyen*, Minh Le, Nhat Ho, Trung Le

Improving Generalization with Flat Hilbert Bayesian Inference

ICML 2025

Tuan Truong*, Quyen Tran*, Ngoc-Quan Pham, Nhat Ho, Dinh Phung, Trung Le

Explicit Eigenvalue Regularization Improves Sharpness-Aware Minimization

NeurIPS 2024

Haocheng Luo, **Tuan Truong**, Tung Pham, Mehrtash Harandi, Dinh Phung, Trung Le

UNSAT Solver Synthesis with Monte Carlo Forest Search

CPAIOR 2024

Chris Cameron, Jason Hartford, Taylor Lundy, **Tuan Truong**, Alan Milligan, Rex Chen, Kevin Leyton-Brown

Expected Improvement for Contextual Bandits

NeurIPS 2022

Hung Tran-The, Sunil Gupta, Santu Rana, **Tuan Truong**, Long Tran-Thanh, Svetha Venkatesh

Professional Services

Reviewer at ICML (2024-2025), ICLR (2024-2025), CVPR (2024-2025).