

Ho Sy Tuyen

Email: hosity_tuyen@sutd.edu.sg
GitHub: github.com/HoSyTuyen
Phone number: +65 9428 4626

Research Interests. Robust Deep Learning, Computer Vision.

EDUCATION

Singapore University of Technology and Design (SUTD) Master of Engineering (Research) Supervisor: Prof. Ngai Man Cheung	Singapore 2024 –2025
University of Information Technology (UIT) Vietnam National University HCMC (VNU-HCM) Bachelor of Science in Computer Science, Honour program Ranked 2 nd	HCMC, Vietnam 2017 –2021

EXPERIENCE

Temasek Lab @ SUTD Research Assistant	Singapore Dec 2021–Dec 2024
Viettel Group Computer Vision Engineer Internship	HCMC, Vietnam Aug 2020–Mar 2021

SELECTED PUBLICATIONS

- Sy-Tuyen Ho**, Jun Hao Koh, Ngoc-Bao Nguyen, Alexander Binder, Ngai-man Cheung, “Uncovering the Limitations of Model Inversion Evaluation: Benchmarks and Insights” Under Review.
- Sy-Tuyen Ho**, Tuan Van Vo, Somayeh Ebrahimkhani, Ngai-man Cheung, “Vision Transformer Neural Architecture Search for Out-of-Distribution Generalization: Benchmark and Insights” Conference on Neural Information Processing Systems (NeurIPS) 2024.
- Jun Hao Koh*, **Sy-Tuyen Ho*** (**joint first authors**), Ngoc-Bao Nguyen, Ngai-man Cheung, “On the Vulnerability of Skip Connections to Model Inversion Attacks” European Conference on Computer Vision (ECCV) 2024.
- Sy-Tuyen Ho**, Koh Jun Hao, Keshigeyan Chandrasegaran, Ngoc-Bao Nguyen, Ngai-man Cheung, “Model Inversion Robustness: Can Transfer Learning Help?” Conference on Computer Vision and Pattern Recognition (CVPR) 2024.

AWARDS AND HONORS

- [2024] Temasek Lab Research Quality Award
- [2024] Full Master Scholarship by Temasek Lab @ SUTD
- [2021] Ranked 2 student in Computer Science for the intake 2017, UIT, VNU-HCM.

SKILLS

- Deep learning/Computer Vision
- High-performance computing
- Python/C++
- Pytorch/Tensorflow

SERVICES

- Journal Reviewer:** TMM 2023-2025
- Conference Reviewer** NeurIPS 2024, ICLR 2025, AISTATS 2025, ICML 2025