

Ho Sy Tuyen

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Master Student

Biology. I obtained my Bachelor of Computer Science (Honour) from University of Information Technology (UIT), Vietnam National University Ho Chi Minh City (VNU-HCM). I currently work as a Research Assistant and pursue my master's degree at Singapore University of Technology and Design (SUTD) under the supervision of Prof. Ngai-Man Cheung. Prior to that, I was an intern at Viettel Group.

Research Interests. Robust Deep Learning, Computer Vision.

EDUCATION

Singapore University of Technology and Design (SUTD) Master of Engineering (Research)	Singapore 2024 –present
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
Nguyen Du High School for the Gifted	DakLak, Vietnam 2014 –2017

EXPERIENCE

Temasek Lab @ SUTD Research Assistant	Singapore Dec 2021 –present
Viettel Group Internship	HCMC, Vietnam Aug 2020–Mar 2021

SELECTED PUBLICATIONS

1. **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.
2. 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.
3. **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 Financial-Aid for Master Study from 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-23/24
- **Conference Reviewer** NeurIPS-24, ICLR-25, AISTATS-25

REFERENCES

1. **Associate Professor Ngai-Man (Man) Cheung - Associate Head of Pillar**
Affiliation: Singapore University of Technology and Design, Singapore
E-mail: ngaiman_cheung@sutd.edu.sg
2. **Associate Professor Tam Nguyen - Head of Vision and Mixed Reality Lab**
Affiliation: University of Dayton, The United State
E-mail: tamnguyen@udayton.edu
3. **Dr. Ngoc-Bao Nguyen - Research Fellow**
Affiliation: Singapore University of Technology and Design, Singapore
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