

HOANG-CHAU LUONG

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Education

Bachelor of Science in Computer Science, University of Science - VNUHCM

2020 – 2024

Advanced Program in Computer Science

Overall GPA: 3.8/4.0

Publications

- [1](**ICLR 2025 - under review**) [Hoang-Chau Luong](#), Quang-Thuc Nguyen and Minh-Triet Tran. “Improving Resistance to Noisy Label Fitting by Reweighting Gradient in SAM”
- [2](**NeurIPS 2024**) Pham Duy Khanh, [Hoang-Chau Luong](#), Boris S. Mordukhovich, Dat Ba Tran. “Fundamental Convergence Analysis of Sharpness-Aware Minimization”
- [3](**CVPR 2024 Workshop**) Tuan-An To, Minh-Nam Tran, Trong-Bao Ho, Thien-Loc Ha, Quang-Tan Nguyen, [Hoang-Chau Luong](#), Thanh-Duy Cao, Minh-Triet Tran. “Multi-perspective traffic video description model with fine-grained refinement approach”
- [4](**SOICT 2023**) [Hoang-Chau Luong](#), Minh-Triet Tran. “Applying Adaptive Sharpness-Aware Minimization to Improve Out-of-distribution Generalization”
- [5](**RIVF 2022**) Tuan-An To, [Hoang-Chau Luong](#), Nham-Tan Nguyen, Trong-Tin Nguyen, Minh-Triet Tran, Trong-Le Do. “Deepfake Detection using EfficientNet: Working Towards Dense Sampling and Frames Selection”

Competitive Mathematics

1 st prize in Ho Chi Minh City Mathematics Olympiad Competition	4/2020
Silver Medal in Southern Vietnam Mathematics Olympiad Competition	4/2019
Bronze Medal in Southern Vietnam Mathematics Olympiad Competition	4/2018

Competition

Consolation prize in AI Challenge Ho Chi Minh City	10/2023
Consolation prize in AI Challenge Ho Chi Minh City	10/2022
Top 12/69 on private test in FathomNet - FGVC10 workshop at CVPR 2023	4/2023

Coursework

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|-------------------|---------------------------|--------------------|----------------------|
| • Advanced in CV | • Artificial Intelligence | • Machine Learning | • Linear Algebra |
| • Advanced in NLP | • Deep Learning | • Optimization | • Applied Statistics |

Skills

Programming Languages: Proficient in Python and experienced in writing C++, and Bash.

Technologies/Frameworks: Pytorch, HuggingFace, Linux

Reviewer: ICLR 2025