

Phuoc-Hieu Le

Curriculum Vitae

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Education

2017-2021 | **Vietnam National University HCMC - University of Information Technology**
B.Sc, Honors Program, in Computer Science. *GPA: 8.47/10*
Thesis: Single-Image HDR Reconstruction (*9.3/10*)
Program ranking: *9/33*

Research Interests

My research interests lie broadly in Computational Photography and Computer Vision with the goal of bridging the gap between cameras and the human visual system. My recent work focuses on image-to-image translation and high dynamic range image reconstruction.

Experience

05/2020- | **VinAI Research** · AI Research Resident
Advisor: Dr. Binh-Son Hua – Research Scientist
Doing research on computer vision problems such as single-image HDR reconstruction and neural scene decoration that achieves state-of-the-art results. Worked on an engineering project implementing an HDR image reconstruction algorithm to deploy on edge devices from scratch.

04/2022
(1 month) | **Koidra** · AI Research Intern (Contract)
Developed and integrated a vision model to predict lettuce's fresh weight for a full autopilot plant-growing system which helped the team to secure 1st place in Autonomous Greenhouse Challenge.

Publications

- **Neural Scene Decoration from a Single Photograph.** Hong Wing Pang, Yingshu Chen, *Phuoc-Hieu Le*, Binh-Son Hua, Thanh Nguyen, Sai-Kit Yeung. In *European Conference on Computer Vision, ECCV 2022*. [🔗](#)
- **Self-Supervised Single-Image HDR Reconstruction.** *Phuoc-Hieu Le*, Quynh Le, Rang Nguyen, Binh-Son Hua. In submission, 2022.

Awards

2021 | **UIT Global Scholarship.** For foreign language study excellence during the Bachelor.

2020-2021 | **UIT Academic Excellence Scholarship.** Full semester scholarship for top 5% students with best academic performance.

2018

Other Activities

2021 | **Top 5 in 5K Compliance @ Zalo AI Challenge 2021** [Private Leaderboard](#)
Rank 5th among other teams with an F1 score of 0.84 (the winners was 0.87).

2020 | **Top 6 in Large-scale Product Recognition Challenge @ ICPR 2020** [Private Leaderboard](#)
Rank 6th among 34 global teams with an accuracy of 70.74% (The winners was 75.57%).

2020 | **1st and 2nd Runner-Up of Kambria Code Challenge - Quiz 01 and 03**
Online quizzes and hackathons in Artificial Intelligence.

Fall 2019 | **Basic Python Programming 2019 @ boringppl** · Course Mentor 2019
Managed a class of 30 students with diverse non-tech backgrounds to break into programming. Designed weekly in-class learning materials and examinations.

Licenses & Certifications

04/2020	TensorFlow in Practice Specialization	Coursera
03/2020	Deep Learning Specialization	Coursera
11/2019	Flutter Development Bootcamp with Dart	Udemy
10/2019	Excel/VBA for Creative Problem Solving Specialization	Coursera

Public Services

- Served as a reviewer at WACV 2023.

Language Proficiency

English	IELTS Academic 7.0 (R: 8.0, L: 7.5, W: 6.5, S: 6.5)	Feb 2021
Vietnamese	Native	

Skills

Languages	Python, C++, Java, SQL, VBA, Dart
Frameworks	PyTorch, OpenCV, NumPy, scikit-learn, Flutter
DevOps	Docker
Misc.	Unix, shell, git, LaTeX