

# Phuoc-Hieu Le

## Curriculum Vitae

May 2023

✉ hieultp1@gmail.com  
💻 hieultp.github.io  
🔄 hieultp  
🐦 hieultp  
📍 Ho Chi Minh City, Vietnam

### Experience

- 02/2023–Now | **Vucar** · AI Engineer (Contract)
- Implementing Vucar Autonomous Pricing (VAP), a system to evaluate used car pricing, with the average error of  $\pm 40M$  VND for brands that cover 90% of used car posting.
- 10/2022–Now | **Holistics** · AI Product Engineer
- Implemented global full-text search for the product.
  - Experiment integrating large language model to help accelerate business in customer knowledge management and customer service.
  - Speaker in internal workshops for building fundamental knowledge in ML/DL.
- 07/2022–11/2022 | **Alectio** · Machine Learning Researcher (Contract)
- Developed and integrated new algorithms to guide the synthetic data generation process.
  - Maintainer of the in-house Active Learning algorithm repository.
  - AI modeler for the company's partners.
- 04/2022  
(1 month) | **Koidra** · AI Research Intern (Contract)
- Helped the team secure *1st place* in Autonomous Greenhouse Challenge by developing and integrating a vision model that predicts lettuce's fresh weight for a full autopilot plant-growing system.
- 05/2020–10/2022 | **VinAI Research** · AI Research Resident
- Advisor: Dr. Binh-Son Hua – Research Scientist
- Researched computer vision problems such as single-image HDR reconstruction and neural scene decoration that achieve state-of-the-art results.
  - Worked on an engineering project implementing and deploying an HDR image reconstruction algorithm and image dehazing on edge devices from scratch.

### 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

### 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 winner 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 winner 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 that have diverse non-tech backgrounds to break into programming. Designed weekly in-class learning materials and examinations.

### Skills

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

## Licenses & Certifications

07/2022–Now	Meta Back-End Developer Professional Certificate (4/10 courses learned)	Coursera
07/2022–Now	Meta Front-End Developer Professional Certificate (4/9 courses learned)	Coursera
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

## Publications

- **Single-Image HDR Reconstruction by Multi-Exposure Generation.** *Phuoc-Hieu Le, Quynh Le, Rang Nguyen, Binh-Son Hua.* In *Winter Conference on Applications of Computer Vision, WACV 2023.* [↗](#)
- **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.* [↗](#)

## Language Proficiency

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