

Hue Nguyen

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RESEARCH INTERESTS

Computer Vision, Image Processing.

EDUCATION

University of Engineering and Technology, Vietnam National University Aug. 2017 – Jun. 2021
Bachelor of Information Technology Hanoi, Vietnam

- GPA: 3.86/4.00 (ranked 3rd in the university).
- Degree classification: High distinction.

EXPERIENCE

VinAI Research – website: www.vinai.io Oct. 2020 – Present
Research Resident, Computer Vision Group Hanoi, Vietnam

- Supervisor: [Dr. Rang Nguyen](#)
- Research topic: Image and Video Enhancement.
- Studying, proposing, implementing models, and conducting experiments in a variety range of image processing tasks.
- Analysing experimental results and writing scientific papers.

Software Engineering Laboratory, UET Jun. 2019 – Oct. 2020
Undergraduate Research Assistant Hanoi, Vietnam

- Supervisor: [Dr. Hieu Dinh Vo](#)
- Research topic: automatic parallelization for C/C++ programs to reduce the running time of a program on a multi-processor system.
- Studying, proposing, implementing algorithms to find factors that prevent parallelizing programs.
- Studying and designing a high-level architecture and algorithms for an automatic program parallelization framework.

PUBLICATIONS

PSENet: Progressive Self-Enhancement Network for Unsupervised Extreme-Light Image Enhancement

Hue Nguyen, Diep Tran, Khoi Nguyen, Rang Nguyen

Published at WACV 2023.

Practical approach to access the impact of global variables on program parallelism

Thu-Trang Nguyen, Hue Nguyen, Quang-Cuong Bui, Pham Ngoc Hung, Dinh-Hieu Vo, Shigeki Takeuchi

Published at ACOMP 2020.

STUDENT RESEARCH PROJECT

Data augmentation for handwriting recognition 2021
Undergraduate thesis

- Research and propose a novel method to generate a diverse style handwriting dataset by modifying text images at stroke levels.

ACADEMIC HONORS AND AWARDS

The Semester Excellence Scholarship <i>University of Engineering and Technology, Vietnam National University</i> <ul style="list-style-type: none">Each semester top 5% of students with the greatest academic performance are awarded.	2017 - 2021
POSCO Scholarship for Excellent Students <i>Posco T.J.Park Foundation</i>	2021
Mitsubishi Scholarship for Excellent Students <i>Mitsubishi UFJ Foundation</i>	2020
The First Prize of the Self-driving Car Programming Contest Digital Race <i>University of Engineering and Technology, Vietnam National University</i> <ul style="list-style-type: none">Study and apply a wide range of traditional computer vision algorithms to program the car to drive in a simulator and a race track.	2019
The First Prize of Code War Championship <i>Topica Edtech Group</i> <ul style="list-style-type: none">Apply data structures and algorithms to solve competitive programming problems.	2019
Award for Student with the Highest University Entrance Score <i>University of Engineering and Technology, Vietnam National University</i>	2017

EXTRACURRICULAR ACTIVITIES

Vice President of Human Resource of Technology Club <i>University of Engineering and Technology, Vietnam National University</i> <ul style="list-style-type: none">Organize technical events for university freshers.	2018 - 2020
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LANGUAGE ABILITY

Vietnamese: Native

English: Proficient (IELTS Overall 7.0, Reading 8.5, Listening 7.5, Writing 6.0, Speaking 6.0)

Japanese: Conversational (JLPT N3)