



PHAM QUANG TU

Intern

Dob: 26/09/2002

Gender: Male

Phone: 0856212924

Email: pqtu2002@gmail.com

Address: Ha Noi, Viet Nam

EDUCATION

2020 - Present

Phenikaa University

Major: Artificial Intelligence and Robotics

Current GPA: 2.83/4

WORK EXPERIENCE

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No formal work experience.

ACTIVITIES

2021 - Present

SSA LAB - Phenikaa University

Research Student

Conducted research and published papers related to Reinforcement Learning and Deep Learning.

2022 - 2022

Image Processing Phenikaa Course

Project: Bee Counting using Image Processing

Learned fundamental and advanced image processing techniques. Applied these methods to real-world tasks such as object counting and recognition.

2023 - 2023

Advance Deep Learning Phenikaa Course

Project: Vehicle Type Classification with Small Dataset and Transfer Learning Techniques

Enhanced knowledge of advanced CNN models and optimization techniques.

2023 - 2023

Natural Language Processing Phenikaa Course

Project: Employs reinforcement learning to autonomously select fine-tune layers for text classification

Gained expertise in transformer-based NLP models and their applications. Learned to apply reinforcement learning for optimizing text classification tasks.

2024 - 2024

Automatic Speech Recognition Phenikaa Course

Project: Reinforcement Learning-based Adaptive Fine-Tuning of CNNs for Audio data Using Mel Spectrograms

Studied advanced techniques in ASR and transformer-based models. Applied reinforcement learning to fine-tune models for audio data using Mel spectrograms.

PUBLICATIONS

Tu, Quang & Dat, Pham & Can, Khanh-Ly & Dao To, Hieu & Vu, Dieu. (2024). Vehicle Type Classification with Small Dataset and Transfer Learning Techniques. EAI Endorsed Transactions on Industrial Networks and Intelligent Systems. 11. e2. 10.4108/eetinis.v11i2.4678.

Hoang-Dieu Vu, Duc-Nghia Tran, Khanh-Ly Can, To-Hieu Dao, Dinh-Dat Pham, Dinh-Hieu Le, Quang-Tu Pham, and Duc-Tan Tran, "Predicting Respiration Rate using Acceleraction Sensor and LSTM: A novel Approach", ICCAIS 2023

Quang-Tu Pham, Hoang-Dieu Vu, To-Hieu Dao, Dinh-Dat Pham, Van-Quan Nguyen, Duc-Nghia Tran, and Duc-Tan Tran, "Deep reinforcement learning for Playing Caro Game without human feedback", VNICT 2023 – Bac Ninh, Oct.2023, pp.113-118. ISBN: 978-604-67-2746-0.

Hoang-Dieu Vu, Quang-Tu Pham, Viet-Hoan Bui (2024). Investigation Of Peak Detection Algorithm Quality In Respiratory Rate Monitoring Under Different Conditions, in Energy, Electronics, and Automation (EEA 2024)

Quang-Tu Pham, Duc-Nghia Tran, Hoang-Nam Le, Dinh-Dat Pham, Hoang-Dieu Vu, To-Hieu Dao, and Duc-Tan Tran (2024). Sports Activity Recognition with Deep Learning Models and Accelerometers, in The International Conference on Integrated Circuits, Design, and Verification (ICDV 2024).

Hoang-Dieu Vu, Phi-Khanh Phung Cong, Nhat-Minh Hoang, Khai Tran, Duy Ngo Manh, Dinh-Dat Pham, and Tu Pham (2024). Push and Pull Robot with Reinforcement Learning Algorithms, in The International Conference on Integrated Circuits, Design, and Verification (ICDV 2024).

CERTIFICATIONS

2020	IELTS 6.5/9
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HONORS & AWARDS

2023	Third Prize in University Student Research Competition
2023	First Prize in Faculty Student Research Competition
2024	Consolation Prize in University Student Research Competition

SKILLS

Coding	Python, Basic C, Arduino, Pytorch/Tensorflow
AI	Machine Learning, Deep Learning, Reinforcement Learning
Other	English, Teamwork

REFERENCE

Hoang-Dieu Vu - Research Advisor, SSA LAB, Phenikaa University - dieu.vuhoang@phenikaa-uni.edu.vn