CURRICULUM VITAE

PERSONAL INFORMATION

Name	**Pham Duc Dat**
Date of birth:	April 2002
Gender:	Male
Nationality:	Vietnamese
Office:	International University - VNU-HCM (Vietnam)
Address:	Quarter 6, Linh Trung Ward, Thu Duc City, Ho Chi Minh City, Vietnam
Cell phone:	+84 90 285 0103 (Vietnam)
E-mail Address:	ducdatit2002@gmail.com
Website:	ducdat.io.vn
Github:	github.com/ducdatit2002

HONORS AND AWARDS

- Won Best Paper Award at the 2024 Conference on Technology Applications, Automation and Construction Engineering (ATAC 2024)
- Won the Second Prize at Swin Hackathon 2024
- Won the Consolation prizes of The 25th Eureka Scientific Research Award 2023
- Achieved the title of 5-Good Student Awarded from Vietnam National University in 2022

RESEARCH INTERESTS

- Self-supervised Learning
- Deep Learning
- Computer Vision
- Multimodal Machine Learning

EDUCATIONAL QUALIFICATION

09/2020 – 04/2025 ***Bachelor of Engineering (Computer Science)***

- University: International University - Vietnam National University – Vietnam (VNU-HCM)
- Departure: School of Computer Science and Engineering
- Undergraduate Thesis: EVALLOS - Leveraging an IT Platform for Enhanced Academic Quality Assurance Through Learning Outcome Evaluation
- Thesis Score: **100/100** (Top highest score)
- GPA: 75.8 (3.04/4.0).
- IELTS: 5.5

PROFESSIONAL EXPERIENCE

07/2024 – 11/2024 ***Technical Staff,*** *Seehan Digital Co., Ltd*

- Design a warehouse management system for AGV interaction with ESP32-based calling devices.

09/2023 – present ***Research Assistant and Head of Software and Product Development,*** *AIoT Lab VN*

- Machine learning technologies research under the advisor of Assoc. Prof. Huynh Kha Tu and Dr. Le Duy Tan
- Developed an outcome-based assessment system for undergraduate education.
- Research in Multimodal Deep Learning, Machine Learning, and Computer Vision.

PUBLICATIONS

International Journal

- Duc Dat Pham, Mai Thanh Nguyen Quynh, Mai Oanh Nguyen Ngoc, Tan Duy Le*, Kha Tu Huynh*: Automated Reporting and Data-Driven Insights in EVALLOS: Enhancing CLO and PLO Assessment for Improved Educational Quality, **The Journal of Data Science and Artificial Intelligence (JDSAI), ISSN 2831-4794,** March 2025

International Conferences

- Duc Dat Pham, Mai Thanh Nguyen Quynh, Tan Duy Le*, Kha Tu Huynh*: A technical platform supporting the assessment of the level ofachievement of course learning outcomes, contributing to academic programquality assurance, **The Fourth International Conference on Material, Machines, and Methods for Sustainable Development (MMMS 2024)**
- Tai Nguyen, Vo Ngoc Minh Anh, Duc Dat Pham, Tran Quang Vinh, Nhu Duong Thi Quynh, Le Anh Tien, Tan Duy Le, and Binh T. Nguyen*: HORUS: Multimodal Large Language Models Framework for Video Retrieval at VBS 2025, **31st INTERNATIONAL CONFERENCE ON MULTIMEDIA MODELING (MMM 2025) – Rank B**
- Nhan Le Thanh Pham, Duc Dat Pham, Tan Duy Le, and Kha Tu Huynh*: A Multimodal Deep Ensemble Framework for Skin Lesion Classification, **The Eleventh International Symposium on Integrated Uncertainty in Knowledge Modelling and Decision Making (IUKM 2025)**

Domestic Journal

- Duc Dat Pham, Mai Thanh Nguyen Quynh, Mai Oanh Nguyen Ngoc, Tan Duy Le*, Kha Tu Huynh*: A Comprehensive Platform for Enhancing the Achievement of Program Learning Outcomes and Advancing Academic Quality Assurance, **Journal of Science and Technology – Nguyen Tat Thanh University**, Vietnam, March 2025
- Duc Dat Pham, Mai Thanh Nguyen Quynh, Mai Oanh Nguyen Ngoc, Tan Duy Le*, Kha Tu Huynh*: A Personalized Evaluation System for Course and Program Learning Outcomes in Higher Education, **Journal of Science and Technology – Nguyen Tat Thanh University**, Vietnam, March 2025

Domestic Conferences

- Duc Dat Pham, Mai Thanh Nguyen Quynh*, Ngoc Tram Huynh Thi, Tien Phat Le, Thien Huong Nguyen Trang, Nhan Pham Le Thanh": EVALLOS: An Effective Solution for CLO and SLO Assessment, Supporting Enhanced Teaching Quality, **The 2024 Conference on Applications of Technology, Automation, and Civil Engineering (ATAC 2024).**
- Nhan Le-Thanh Pham, Duc Dat Pham*: Multimodal Skin Lesion Classification With Convolutional Attention Mechanism, **The 2024 Conference on Applications of Technology, Automation, and Civil Engineering (ATAC 2024).**
- My Nguyen Huynh Thao, Nam Anh Dang Nguyen*, Duc Dat Pham*, Nguyen Binh Nguyen Le: Tactiwave: AI-Driven Tactile Communication for Deaf-Blind Support, **The 2024 Conference on Applications of Technology, Automation, and Civil Engineering (ATAC 2024).**
- My Nguyen Huynh Thao, Duc Dat Pham, Tram Huynh Thi Ngoc, Nam Anh Dang Nguyen, Le Thanh Son*: SYNERGY: Smart System for Home Device Control and User Interaction, **The 2024 Conference on Applications of Technology, Automation, and Civil Engineering (ATAC 2024)**
- Hung Tran Vu Khanh, Luan Nguyen Hoang*, Duc Dat Pham, My Nguyen Huynh Thao, Minh Khang Vo, Quang Tri Tran*: NexMIND: AI-Driven Multimodal Integration for Neurological Diagnostics and Health Monitoring, **The 2024 Conference on Applications of Technology, Automation, and Civil Engineering (ATAC 2024)**

- Duc Dat Pham, Chau Thi Thanh Truc, Nguyen Tran Minh Trung, Le Duy Dương, Le Duy Tan, Vo Thi Luu Phuong: IUVTOUR – IU VIRTUAL TOUR PLATFORM, **The Second Scientific Conference of Global Vietnamese Young Scientists,** Vietnam, 2023
- Duc Dat Pham: Fostering global citizenship among students and developing their digital skills in the context of a digital society, **The 6th International Science Student Forum 2022 – Theme: "Digital Economy - Digital Society"**, Vietnam, 2022

SOCIAL ACTIVITY

- 10/2021 – 02/2023: Member of Internet of Things Club
- 09/2020 - 04/2023: Member of the Secretariat at Vietnam National Union of Student of International University, VNU-HCMC
- 2022 – 2023: Green Summer Volunteer Campaign Organizing Committee of IU Union of Students

REFERENCES

Le Duy Tan, Ph.D.
School of Computer Science & Engineering
Ho Chi Minh International University - VietnamNational University
Block 6, Linh Trung Ward, Thu Duc District, HCMCity, Vietnam
Email: ldtan@hcmiu.edu.vn
Homepage: https://it.hcmiu.edu.vn/user/ldtan/

Huynh Kha Tu, Ph.D.
School of Computer Science & Engineering
Ho Chi Minh International University - VietnamNational University
Block 6, Linh Trung Ward, Thu Duc District, HCMCity, Vietnam
Email: hktu@hcmiu.edu.vn
Homepage: https://it.hcmiu.edu.vn/user/hktu/