

# Linh Le Pham Van

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## EDUCATION

<b>A2I2 Applied Artificial Intelligence Institute</b> <i>Deakin University</i>	Oct 2022 – Present Geelong, Australia
<b>VNU University of Engineering and Technology</b> <i>Vietnam National University, Hanoi</i>	Sept 2016 – July 2020 Hanoi, Vietnam

**• Ph.D. in Computer Science: Machine Learning and Reinforcement Learning.**

**• Supervisors:** Prof. Sunil Gupta, Dr. Hung Tran The, and Dr. Hung Le.

**• Expected Thesis Submission Date:** March 2026.

**• Information Technology (Honors Program).**

**• GPA:** 3.71 (ranked 11th of the university).

**• Degree classification:** High distinction.

## RESEARCH INTEREST

My research interests center on Machine Learning, with a current focus on Reinforcement Learning (RL) in offline, online, and offline-to-online settings. I work on Transfer Learning, Robustness, Generalization, and In-context RL problems, aiming to develop scalable, sample-efficient RL algorithms for real-world applications such as robotics and large language models (LLMs). I am also interested in the applications of Diffusion Models and Foundation Models (LLMs/VLMs) within the context of RL.

## PUBLICATIONS

- Minh Hoang Nguyen, **Linh Le Pham Van**, Thin Nguyen, Hung Le, “*CLAP: Multi-Step Action-to-Goal Planning via Causality-Guided LLM Agents*”, Under Review 2025.
- Linh Le Pham Van**, Minh Hoang Nguyen, Duc Kieu, Hung Le, Hung The Tran, Sunil Gupta, “*DmC: Nearest Neighbor Guidance Diffusion Model for Offline Cross-domain Reinforcement Learning*”, 8th GenPlan workshop at AAAI, 2025, and ECAI 2025.
- Linh Le Pham Van**, Minh Hoang Nguyen, Hung Le, Hung The Tran, Sunil Gupta, “*Hybrid Cross-domain Robust Reinforcement Learning*”, ECML PKDD, 2025.
- Minh Hoang Nguyen, **Linh Le Pham Van**, Thommen Karimpanal George, Sunil Gupta, Hung Le, “*Beyond the Known: Decision Making with Counterfactual Reasoning Decision Transformer*”, IJCAI, 2025.
- Linh Le Pham Van**, Hung The Tran, Sunil Gupta, “*Policy Learning for Off-Dynamics RL with Deficient Support*”, AAMAS, 2024.
- Linh Le Pham Van**, Quang Bach Tran, Tien Lam Pham, Quoc Long Tran, “*Node-aware convolution in Graph Neural Networks for Predicting molecular properties*”, KSE, 2020.

## EXPERIENCE

<b>PhD student, A2I2, Deakin University</b> <i>Supervisors: Prof. Sunil Gupta, Dr. Hung Tran The, Dr. Hung Le</i>	Oct 2022 - Now Geelong, Australia
<b>Research assistant, UET AILab, Vietnam National University</b> <i>Advisor: Dr. Quoc Long Tran</i>	Sep 2020 - Jul 2022 Hanoi, Vietnam
<b>Teaching assistant, Vietnam National University</b> <i>Advisor: Dr. Quoc Long Tran</i>	Sep 2020 - Jul 2022 Hanoi, Vietnam

**• Research about Reinforcement Learning.**

**• Medical image translation:** Build tool for medical data annotation; Build a model to translate the CT scans to the PET images.

**• Automated EF calculator:** Research and develop methods for predicting ejection fraction from echocardiography video.

**• Teaching assistant for the Computer science courses:** Introduction to Informatics, Advanced Programming, Data Structures and Algorithms, Image Processing.

## PROFESSIONAL SERVICES

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**Reviewer:** TMLR, RLC (2025), ECML (2025), ACML (2025), EWRL (2025).

## HONORS AND AWARDS

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- Certificate of merit awarded by the VNU University of Engineering and Technology for Outstanding student of the entire course - July 2020.
- Excellent student, VNU University of Engineering and Technology - 2017, 2019.
- 1st Digital Race FPT (Autonomous car competition) 2019, round UET - January 2019.

## TECHNICAL SKILLS

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**Programming Languages:** Python, C/C++, Java, C#, Javascripts.

**Deep Learning Frameworks:** Pytorch, Tensorflow, Jax.

**Others:** Sklearn, OpenCV, OpenAI Gym, Numpy, Pandas, Matplotlib, Ollama, etc.

**Tools:** Git, Slurm, Docker, etc.

## REFERENCES

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The following individuals have agreed to serve as references and can provide insight into my qualifications and experience. Please contact me before reaching out to them.

**Prof. Sunil Gupta**

Head, AI, Optimisation and  
Materials Discovery  
A2I2, Deakin University  
Email: sunil.gupta@deakin.edu.au

**Dr. Hung The Tran**

Head of AI Center  
VNPT Media  
Email: tranthehung@vnpt.vn

**Dr. Hung Le**

Senior Research Lecturer  
A2I2, Deakin University  
Email: thai.le@deakin.edu.au