

Vo Dinh Dat

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EXPERIENCES

VIS Laboratory

Machine Learning and Reinforcement Learning Researcher

Hanoi, Vietnam

May 2022 - July 2023

- Researching and developing reinforcement learning algorithms that have the ability to learn and adapt to any complex environments
- Developing game environments to evaluate the algorithms in research
- Researching and collecting historical stock prices from the Japanese stock market

Data Science Laboratory (BKAI - HUST)

Research Student

Hanoi, Vietnam

December 2022 - April 2023

- Worked on fundamental challenges in Machine Learning, with a specific emphasis on Deep Learning techniques
- Explored the application of modern Machine Learning technologies across various domains, expanding knowledge beyond theoretical concepts

EDUCATIONS

Ha Noi University of Science and Technology

Data Science and Artificial Intelligence, GPA: 3.5/4.0

Ha Noi, Viet Nam

2021–Now

Phan Boi Chau Gifted High School

Math Specialization, GPA: 9.1/10

Nghe An, Viet Nam

2018–2021

SKILLS

- **Language:** Python (Proficiency), C/C++, Java, JavaScript, SQL
- **Mathematic:** Calculus, Algebra, Statistic, Probability, Machine Learning, Deep Learning
- **Framework:** PyTorch (Proficiency), TensorFlow, Azure ML, Google Vertex AI

PROJECTS

- **Vietnamese Handwriting Recognition:** [Github](#)
 - OCR for Handwriting Vietnamese Text using Transformer, ResNet, Seq2Seq,...
 - **Tools:** Python, Pytorch, Numpy, OpenCV, Docker
- **PPO Transformer:** [Github](#)
 - Combines two SOTA algorithms in RL and NLP: Proximal Policy Optimization (PPO) and Transformer
 - Conduct experiments and evaluate in episodic, partially observable game setting
 - **Tools:** Python, Pytorch, Numpy
- **RL Game system:** [Github](#)
 - Designing and constructing a game system for testing and analyzing various RL techniques.
 - **Tools:** Numpy, Numba

INTERESTS

Technology · Mathematic · Gym · Music · Gaming · Reading · Sport