# Vo Dinh Dat

http://www.dinhdat.com

Email : vodinhdat03@gmail.com

Mobile : +84-399-565-203

## EDUCATION

- **Ha Noi University of Science and Technology** — Ha Noi, Viet Nam
  *Bachelor of Data Science and Artificial Intelligience (DS-AI)* — *Aug. 2021 – Now*

- **Phan Boi Chau Gifted High School** — Nghe An, Viet Nam
  *Specialization in Mathematic; GPA: 3.64 (9.1/10.0)* — *Aug. 2018 – July. 2021*

## EXPERIENCE

- **Freelance** — Taiwan
  *AI and Quantitative Researcher* — *Sep 2023 – Now*
  - **Reinforcement Learning Agent for Trading**: Developing an Agent with capable of navigating the volatility within the trading environment, surpass the performance of ensemble models.

- **VIS Laboratory** — Ha Noi, Viet Nam
  *Machine Learning Researcher* — *May 2022 – Jul 2023*
  - **Agent for Multiplayer Game**: Research and Develope Reinforcement Learning algorithms based on current SOTA such as PPO, Transformer, successfully surpass 95% of the envs in the System.
  - **Multiplayer Game Envs**: Developed 3 Gym's based multiplayer envs for the purpose of researching algorithms.
  - **Japanese Stock Market**: Research about Japanese stock market, ensure the credibility of sources and gather data by utilizing web crawling techniques.

- **Ha Noi University of Science and Technology** — Ha Noi, Viet Nam
  *Data Science Laboratory* — *Dec 2022 – Apr 2023*
  - **Machine Learning Research**: Learn and Research about fundamental challenges in Machine Learning.

## PROGRAMMING SKILLS

- **Proficient**: Python, Pytorch, Lightning, Git, Docker

- **Familiar**: Javascript, HTML, Java, C++, MongoDB, AzureML

## PROJECTS

- **Vietnamese OCR**: OCR model for Vietnamese's handwritten digit using Transformer, achiece 4% CER (Character Error Rate) in the test dataset.
- **Personal Blog**: My Personal Blog about AI, Machine Learning and Landing Page for my information and my resume.
- **PPO Transformer**: A Reinforcement Learning Project using PPO and Transformer for multiplayer game, successfully surpass other algorithms in the system.
- **Piano Generation**: Generate classical piano in MIDI format using generative model like Transformer, GPT2.
- **Laptop Price Prediction**: An end to end data science project about laptop price prediction, crawling, analyzing and modelling to gain insight about current laptop market.