TUAN-CUONG VUONG

Computer Science

CONTACT

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SKILLS

- **Machine Learning** 0.5+ yrs
- **Deep Learning** 1+ yrs
- **Python** 2+ yrs
- **Research** 1+ yrs
- **English** B2
- **Git** 1.5+ yrs
- **Pytorch** 1.5+ yrs
- **Overleaf** 1+ yrs
- **Internet of Things** 0.5+ yrs

EDUCATION

B.Sc - Computer Science — **2021 - ongoing**
Phenikaa University - Ha Noi, Viet Nam

Currently an undergraduate student.

WORK EXPERIENCE

Research student — **2021 - ongoing**
AIoT Lab, Ha Noi, Phenikaa University

- The main research topic is Generative model.
- Research on the topic of anomaly detection, another part is Internet of Things.

PROJECTS

Deep learning-based anomaly detection for time-series data — **2021**
Tool: Python, FastAPI

The application combines Deep Learning model to detect outliers on time series.

Diffusion model, GAN, VAE — **2021-2022**
Tool: Python, Pytorch

Based on these research, provide a broad overview of the Generative model, such as Denoising diffusion probabilistic models, Generative adversarial networks (GAN), Variational autoencoder (VAE).

A comparison of Feature Extraction and Feature Extraction for Network Intrusion detection using UNSW-NB15 dataset — **2022**
Tool: Python

Based on this comparison, I provide a useful guideline on selecting a suitable intrusion detection type for each specific scenario.

Immune system — **2022**
Tool: Python

Based on the analysis of the data, the comparison of each features, gives the people who are likely to get the disease.

Virtual Try-on — **2022-ongoing**
Tool: Python, FastAPI, Docker

Applying the birth model combined with the transformer model in computer vision to produce the results of wearing virtual clothes as the application platform.

ACHIEVEMENTS

University

Scientific Research
Second Prize in Scientific Research Competition hosted by Phenikaa University

Faculty of Computer Science, Phenikaa University

Scientific Research
First Prize in Scientific Research Competition hosted by Faculty of Computer Science, Phenikaa University

WORKSHOPS & CONFERENCES

IEEE APSIPA Association Annual Summit and Conference 2022 — **Nov 2022**

Asia-Pacific Signal and Information Processing Association (APSIPA)

A comparison of Feature Extraction and Feature Extraction for Network Intrusion detection using UNSW-NB15 dataset.