

NGUYEN VAN TUAN

Date of birth: 1/4/1998

Le Quy Don Technical University
Faculty of Information Technology, Hanoi, Vietnam
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BSc

Educational Background

2016
2021

BSc in Information System Security, Faculty of Information Technology (FIT) - Le Quy Don Technical University (LQDTU), Hanoi, Vietnam.

GPA 3.53/4

2022
2024

MSc in Computer Science, Cyber Security Laboratory - Japan Advanced Institute of Science and Technology (JAIST), Ishikawa, Japan

Theses

BSc Thesis

TITLE A study on organizational and technical solutions of applying BigData technology in monitoring and alerting network anomalies

LANGUAGE English

SUPERVISOR Dr. Cao Van Loi

FUNDING AGENCY Le Quy Don Technical University.

MSc Thesis

TITLE Federated Learning approach for IoT intrusion detection

LANGUAGE English

SUPERVISOR Assoc. Prof. Razvan Beuran

FUNDING AGENCY Japan Advanced Institute of Science and Technology - JAIST

Research Interests

My ambition is to research and apply Artificial Intelligence (AI) methods to solve anomaly detection problems, especially in Cyber Security. I am also very interested in adopting BigData technologies in the anomaly detection domain.

ARTIFICIAL INTELLIGENCE

- Machine learning, deep learning
- Some machine learning and deep learning methods for general anomaly detection and cyber anomaly detection

INFORMATION SECURITY

- Cyber Security Fundamentals
- Anomaly Detection
- Cyber Anomaly Detection
- Intrusion detection system
- Log analysis

Projects and Research

I used to team up with some colleagues to complete some private projects in my role as a back-end engineer, an assistant researcher. A few projects are as follows:

2020
2021

Mass Casualty Management

DETAILS

I was responsible for writing a literature review on using artificial intelligence in mass casualty management for a company

LANGUAGE

English

2021
2022

The virtualization platform for network monitoring training, Faculty of Information Technology, Le Quy Don Technical University, Hanoi, Vietnam

LEADER

Dr. Cao Van Loi (loi.cao@lqdtu.edu.vn)

FUNDING AGENCY

Le Quy Don Technical University.

2023
2024

Data analysis support framework for Cyber Anomaly Detection, Le Quy Don Technical University, Hanoi, Vietnam

LEADER

Dr. Cao Van Loi (loi.cao@lqdtu.edu.vn)

FUNDING AGENCY

Le Quy Don Technical University.

Languages

Vietnamese Native

English

Skills

Programming C#, C, Python, JavaScript, SQL Databases

Tools Flask, Pytorch, Keras, Jupyter Notebook, Git, Jira, Spark, Flink, Kafka

Other Skills Communication, Reading, Organization, Writing, Team Working

Other Certificates

English

Mathematics

Bronze Medal in Vietnam National Algebra Olympiad
Vietnam Mathematical Society
2018

Publications

[Tuan et al., 2022]

Tuan, N. M., Hao, N. H., Trang, D. L. D., **Tuan, N.V**, and Loi, C. V. (2022). Robust anomaly detection methods for contamination network data. *Journal of Military Science and Technology (JMST)*, (79):41–51.

References

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Vietnam.

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