



Nguyen Nhu Chien

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ABOUT ME

Currently, I am working as an AI researcher and Data scientist in DeltaX, South Korea-a rapidly growing start-up, mainly focusing on Industry-grade AI solutions. My main roles are data analysis, model development and designing an end-to-end machine learning system. My research interests are big data analysis and applying machine learning or deep learning to various domains such as network intrusion detection system, time series forecasting system or sentiment classification.

EDUCATION

September 2020 - Present	Master at Soongsil University, South Korea Major :Computer Science GPA: 4.26/4.5
August 2014 - June 2018	Bachelor of Engineering at Hanoi University of Science and Technology Major: Control Automation GPA: 3.07/4

WORK EXPERIENCE

May 2023 - Present	DeltaX AI Team Leader Main responsibilities: <ul style="list-style-type: none">- Data processing pipeline designing- Software architecture designing- Coding reviewing- Task allocation and supervising team members to ensure quality of projects Achievements and skills gained: <ul style="list-style-type: none">- Project management skills
August 2022 - Present	DeltaX AI Researcher Main responsibilities: <ul style="list-style-type: none">- Data analysis and writing the pipeline to process raw data- Developing an end-to-end AI-based cyber threats detection system (from model development to system deployment)- Developing an end-to-end AI-based solar energy power forecasting system Achievements and skills gained: <ul style="list-style-type: none">- Data analysis, processing and pipeline designing- Machine learning, Deep learning models development

- Deep learning-based system deployment

September 2020 - August 2022

Smart Network System Laboratory

Researcher

Main responsibilities:

- Research and develop Deep learning-based network intrusion detection systems for cloud, (Software-defined network) SDN-based system
- Research and develop Deep learning-based automatic resource scaling systems for cloud computing.

Achievements and skills gained:

- SDN-based network application developing
 - Machine learning, Deep learning models designing and optimizing for tabular data classification and time series forecasting problems
 - Data analysis by python programming
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June 2018 - August 2020

Fpt Software

C++ Software engineer

Main responsibilities:

- Develop and maintain a software for an embedded system used in Logistics

Achievements and skills gained:

- Object-Oriented programming technique
 - Designing a software program followed Singleton pattern
 - Multi threading programming technique
 - Human-machine interface designing for embedded systems using QT framework
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December 2017 - April 2018

Panasonic R&D Center Viet Nam

Internship

Main responsibilities:

- Research and develop an ID management application leveraging IoT and Blockchain

Achievements and skills gained:

- Blockchain-based applications developing using Hyperledger Fabric framework
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March 2017 - December 2017

Viet Nam Academic of Science and Technology

Internship

Main responsibilities:

- Research and develop new control algorithms (Self-tuning Fuzzy PID, Adaptive sliding mode control based on Fuzzy algorithm) for Electro-optical tracking system which has the object-tracking mission.
- Research and develop new control algorithms for 4-wheel omnidirectional robot to do different tasks such as tracking object, moving along trajectory
- Research and develop deep learning-based model for object detection mission of Electro-optical tracking system

Achievements and skills gained:

- C, C++, Matlab programming
- Embedded C programming for AVR microcontroller.

- Image processing using OpenCV library
- Deep learning models designing and optimizing for object detection problems
- Control algorithms designing and implementing

PUBLICATIONS

July 2022	Dynamic Network Slice Scaling Assisted by Attention-Based Prediction in 5G Core Network
January 2022	Optimizing Resource Scaling in Network Slicing
November 2021	Two-phase Deep Learning-Based EDoS Detection System
June 2019	Tracking control for electro-optical system in vibration environment based on self-tuning fuzzy sliding mode control

HONORS & AWARDS

2022	Paper "Optimizing Resource Scaling in Network Slicing" is awarded as Best Paper Award in International Conference on Information Networking (ICOIN) 2022
2018	Third Prize at Scientific Research Contest for Excellent Students with project "Research and Develop CNNs model for automatic path planning mission of Self-Driving car"
2015, 2017	Scholarship for excellent students of Ha Noi University of Science and Technology in 2015 and 2017.

SKILLS

Programming Languages	<ul style="list-style-type: none">- 3-year-experience of Embedded C programming for AVR- 3-year-experience of C++ programming- 2-year-experience of Matlab language- 4-year-experience of Python programming for Deep learning applications
Machine Learning Framework	<ul style="list-style-type: none">- Tensorflows/Keras, Pytorch, Scikit Learn
Data Analysis Framework	<ul style="list-style-type: none">- Pandas, Numpy, Matplotlib
Other	<ul style="list-style-type: none">- Apache Spark, SQL, Git, Prefect, ClearML
Team-Working	<ul style="list-style-type: none">- 2-year- experience of working with a 10-member team following SCRUM protocol- 6-month-experience as a team leader of a 7-member team