


Nhat Nguyen

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EDUCATION

University of Information Technology - VNUHCM

Expected February 2025

B.S. Computer Science, Honor Program

CGPA: 9.3/10.0

SKILLS

Languages: Python, C/C++, L^AT_EX

Frameworks: PyTorch, Haiku (JAX), TensorFlow, Scikit-learn, FastAPI, Flask

PUBLICATIONS & ACHIEVEMENTS

Investigating PLMs and Learning Methods for Vietnamese Text-to-SQL | *IEEE CSDE*

Dec. 2023

- *Y Thien Huynh, Nhat Viet Nguyen & Nhan Thi Cao*
- Investigating both the effects of different Pretrained Language Models, including both monolingual and multilingual PLMs, and the impacts of learning methods on the Vietnamese Text-to-SQL task. Proposing a simple but effective learning approach to address the domain shift problem in the Vietnamese Spider dataset.

1st Prize Mastering IT | *HCMUTE*

Jun. 2023

- *May Rian*
- Traditional academic competition of HCM-UTE, covering comprehensive topics in IT field.

Top 51 ICPC Vietnam Southern Provincial | *HCMUS*

Dec. 2021

- *UIT.Excalibur*
- 5-hour International Collegiate Programming Contest for southern region of Vietnam.

Top 50 Global Ranking | *IEEEExtreme*

Oct. 2021

- *UIT.Excalibur*
- 24-hour global programming competition hosted by IEEE.

3rd Prize VNU-OI | *VNU-UET*

Dec. 2020

- The National High School Programming Contest.

PROJECTS

DP-GFlowNets | *Haiku (JAX), PyTorch*

Aug. 2024

- *Developing* a Novel Autoregressive Graph Generation approach for Dependency Parsing.
- Identified and addressed inherently computational challenges in training model of GFlowNets.

Fine-Grained Fashion Retrieval System | *HTML, CSS, JS - NodeJS - PyTorch, Transformers, FastAPI*

Feb. 2024

- Developed an Attribute-Specific Fashion Retrieval system utilizing RPF with dual-modal input.
- Enhanced system with large-scale search techniques for handling extensive dataset.
- Addressed challenges in accurately interpreting and matching fashion attributes.

CERTIFICATES

Machine Learning in Production | *DeepLearning.AI*

Aug. 2024

Mathematics for Machine Learning and Data Science Specialization | *DeepLearning.AI*

Aug. 2024

- The fundamental mathematics toolkit of machine learning.
- Including 3 courses: a) Calculus, b) Linear Algebra, c) Probability & Statistics.

Deep Learning Specialization [5 courses] | *DeepLearning.AI*

Mar. 2024

- a) Neural Networks and Deep Learning, b) Improving Deep Neural Networks, c) Structuring Machine Learning Projects, d) Convolutional Neural Networks, e) Sequence Models.

Machine Learning Specialization [3 courses] | *DeepLearning.AI*

Mar. 2024

Natural Language Processing with Attention Models | *DeepLearning.AI*

Feb. 2024

Problem Solving Using Computational Thinking | *University of Michigan*

May. 2023