Do Nguyen Hoang Anh

CONTACT
INFORMATION

Ho Chi Minh City University of Education
Department of Mathematics
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Gender: Male

RESEARCH
INTERESTS

Visual Question Answering, Memory-augmented Neural Networks for Reasoning, Graph Neural Network, From System 1 Deep Learning to System 2 Deep Learning, Deep Reinforcement Learning, Topological Data Analysis, Continual Learning, Transformer, Optimization Theory, Euclidean Geometry.

EDUCATION
AWARD

Ho Chi Minh City University of Education

B.S. in Mathematics (Graduated in October 2019)

- GPA 3.82/4
- Rank #2 graduated of Department of Mathematics
- Rank #3 graduated of Ho Chi Minh City University of Education
- The Prestigious Certificate of Merit from the President of The University
- Thesis: Topological Data Analysis

Le Quy Don High School for the Gifted, Ba Ria Vung Tau Province

Olympiad Mathematics, 2012-2014

- Second Prize in The Vietnam Mathematical Olympiad (VMO 2014)
- Rank #10 in The Vietnam Selection Team Test for IMO (TST 2014)
- First Prize in Ba Ria Vung Tau Mathematical Olympiad for 11th and 12th grade students (2012-2014)
- First Prize in Mathematics Quizzes Competition Mathematics and Youth Magazine
- Silver Medal in the 30/4 Mathematical Olympiad Competition
- Merit scholarships for gifted students in Mathematics, Vietnam Institute for Advanced Study in Mathematics

Hac Dich High School, Ba Ria Vung Tau Province

I studied at this school prior to receiving a scholarship for Le Quy Don High School for the Gifted.

- First Prize in Mathematical Olympiad for 10th grade student

PUBLICATIONS

Quang-Thinh Bui, Bay Vo, Hoang-Anh Nguyen Do, Nguyen Quoc Viet Hung, Vaclav Snasel,
F-Mapper: A Fuzzy Mapper Clustering Algorithm, Knowledge-Based Systems, Volume 189, 2020, 105107, ISSN 0950-7051, https://doi.org/10.1016/j.knosys.2019.105107. Impact Factor of this journal is 8.038

SCIENTIFIC
RESEARCH
EXPERIENCE

2020–2021	Multi-scale Representation Learning on Molecular.
2019–2020	Memory Augmented Neural Networks for Reasoning. Structured Dynamic Memory for Reasoning Structured Knowledge Base for Compositional Attention Networks

	2018–2019	Topological Data Analysis. F-Mapper: A Fuzzy Mapper Clustering Algorithm Advisor: Professor **Bay Vo**, HCMC University of Technology,
	2017–2018	The Number Field Sieve for Discrete Logarithms. Advisor: Assistant Professor **Dung Hoang Duong**, Institute of Mathematics for Industry, Kyushu University.

CONFERENCES
COURSE ATTENDED

ICML 2021 virtual conference (July 2021)

International Conference on Applied Probability and Statistics, The Vietnam Institute for Advanced Study in Mathematics, Ha Noi City. (April 2019)

Bayesian Methods for Machine Learning, Lizhen Lin, University of Notre Dame, VNUHCM - University of Science. (July 2018)

CAMPS,
WORKSHOPS

CIFAR 2021 Deep Learning and Reinforcement Learning Summer School, CIFAR, Canada, Virtual Summer School (July 2021)

Summer School on Artificial Intelligence and Machine Learning, Tan Tao University, Long An City (July 2018)

South Vietnam Summer School, a member of the committee, TiTan Eduction, Ho Chi Minh City (December 2016)

ONLINE COURSES
CERTIFICATE

Deep Learning Specialization, Andrew Ng, Coursera.org (2019)
Certificate code: 9VTCPK6UJ7GG
Bayesian Methods for Machine Learning, HSE University, Coursera.org (2021)

TEACHING
EXPERIENCE

Spring 2017	Lecturer, Euclidean Geometry in Mathematical Olympiads, Bao Loc High School for the Gifted
Summer 2017	Lecturer, Combinatorics in Mathematical Olympiads, Bao Loc High School for the Gifted

RELEVANT
SKILLS

Languages:	English, 6.5 Academic IELTS (Speaking 6; Writing 6; Listening 7.5; Reading 7)
Code :	Python, Tensorflow, Pytorch, Pytorch Geometric, LaTeX

SOCIAL ACTIVITIES

Summer 2017	Love Bus, travelling around Vietnam support poor children
Since 2017	Blue Dream club, providing assistance to disabled children.

REFERENCES

Dung Hoang Duong, Lecturer, School of Computing and Information Technology, University of Wollongong, Australia
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