

Thang Duc Nguyen

CONTACT INFORMATION	Room A201 - Informatics Division, Nghiem Xuan Yem Road, Hoang Mai District, Hanoi City, Vietnam	Cell: +8496-848-6632 Email: thangdn.tlu@gmail.com Site: thangdn.com
GOAL	Seeking a full-time position in Machine learning/ Deep learning and Data-mining.	
RESEARCH INTERESTS	My principal research interests in the field of machine learning, deep learning, data mining, mathematical and statistical modeling as well as similar prediction and optimization techniques such as Linear/ Stochastic and Distributed programing.	
WORK EXPERIENCE	Visiting Lecturer Computer science, VNU - University of Engineering and Technology	Sep 2018 to 2019
	Lecturer Computer science, Thang Long university	Aug 2017 to present
	Co-founded & Former Chairman Thang Long Information Technology Club, Thang Long university	Jan 2014 to May 2016
EDUCATION	Thang Long University , Hanoi, Vietnam	Aug 2013 to Sep 2017
	B.Sc., Computer science - GPA: 3.6/4 via 143 credits, Rank: 3/232	
	<ul style="list-style-type: none">• Thesis: <i>Community structure detection in large-scale networks</i>• Score: 10/10• Advisor: Tran Vinh Duc, Ph.D	
RESEARCH EXPERIENCE	Researcher Formal proof, Chairman: Thomas C. Hales, Professor	Aug 2018 to present
	Researcher Deep learning in medical analysis, ThangLong MedAI Brain, Chairman: Phuong Hoang Nguyen, Professor	Aug 2017 to present
	Research Assistant Digital media, Chairman: Hong T.Vu, Assistant Professor	May 2017 to Dec 2017
	Researcher Mining of Massive Datasets, Thang Long University Chairman: Tran Vinh Duc, Ph.D	Sep 2016 to March 2017
	Researcher Semantic web, Thang Long University Supervisors: Tran Duc Minh, Ph.D	Jan 2016 to Sep 2016
	Research Assistant Cryptography, Thang Long University Supervisors: Tran Vinh Duc, Ph.D	May 2015 to Dec 2015

PUBLICATIONS

Articles

1. [Ng.Duc.Thang, Tran.V.Duc](#) (Dec 2015). Generate large prime numbers for RSA encryption algorithm. *ThangLong University*.

Thesies

1. [Ng.Duc.Thang](#) (2017). Community structure detection in large-scale networks. *ThangLong University*

CERTIFICATES AND AWARDS

- 2019: Math-AI Toulouse scholarship: 10,000\$ per year
- 2018: Deep learning specifications, Andrew Ng, Coursera(4/5 courses).
- 2018: Mathematics for Machine Learning: Multivariate Calculus, Coursera
- 2017-2018: Co-coach in ACM-ICPC and Informatics Olympic Contest TLU teams
- 2016: Thang Long University Merit scholarship: 500\$
- 2016: Certificate of completion of summer school about data mining, VNU-UET.
- 2016: Machine learning, Andrew Ng, Coursera.
- 2015: Certificate of completion of Internet of Things course, SAPPORO IT FRONT & VINASA.

PROJECT

Student advisor

2019 to Now

Automatic student attendance using face recognition
Thang Long University

Main Researcher

2018 to Now

Deep Learning Project for Breast Cancer Screening in Vietnamese women
Thang Long University and Hanoi Medical University Hospital

Researcher

Oct 2018 to Now

Formal abstract - FABS,
Thang Long University, Pittsburgh University and Carnegie Mellon University

TECHNICAL SKILLS

- *Programming languages*: Lean, Python, C/C++, L^AT_EX, Scala.
- *Technical softwares*: Apache Hadoop, Apache Spark, Tensorflow.
- *OS*: MacOS, Ubuntu, Windows.

TEACHING EXPERIENCE

Instructor

Jan 2017 to present

- Introduction to programming in python
- Object Oriented Programming in C++
- Machine learning

Advanced Programming with C++

Data structure and Algorithms in C++

REFERENCES

[Phuong Hoang Nguyen](#), Professor of Vietnam

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Thang Long University

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[Hong T. Vu](#), Assistant professor, University of Kansas

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University of Kansas

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[Duc Vinh Tran](#), Ph.D, Université Nice Sophia Antipolis

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Hanoi University of Science and Technology

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