

## Thang Duc Nguyen

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CONTACT INFORMATION	Room A201 - Informatics Division, Nghiem Xuan Yem Road, Hoang Mai District, Hanoi City, Vietnam	Cell: +8496-848-6632 Email: <a href="mailto:thangdn.tlu@gmail.com">thangdn.tlu@gmail.com</a> Site: <a href="http://thangdn.com">thangdn.com</a>
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/ Dynamic/ Stochastic and Distributed programming.	
WORK EXPERIENCE	<b>Visiting Lecturer</b>	Sep 2018 to present
	Computer science, VNU - University of Engineering and Technology	
	<b>Lecturer</b>	Aug 2017 to present
	Computer science, Thang Long university	
EDUCATION	<b>Co-founded &amp; Former Chairman</b>	Jan 2014 to May 2016
	Thang Long Information Technology Club, Thang Long university	
	<b>Thang Long University</b> , Hanoi, Vietnam	Aug 2013 to Sep 2017
	B.Sc., <a href="#">Computer science</a> - GPA: 3.6/4 via 143 credits, Rank: 3/232	
RESEARCH EXPERIENCE	<ul style="list-style-type: none"> <li>• Thesis: <i>Community structure detection in large-scale networks</i></li> <li>• Score: 10/10</li> <li>• Advisor: Tran Vinh Duc, Ph.D</li> </ul>	
	<b>Researcher</b>	Aug 2018 to present
	Formal proof, Chairman: Thomas C. Hales, Professor	
	<b>Researcher</b>	Aug 2017 to present
	Deep learning in medical analysis, ThangLong MedAI Brain, Chairman: Phuong Hoang Nguyen, Professor	
	<b>Research Assistant</b>	May 2017 to Dec 2017
	Digital media, Chairman: Hong T.Vu, Assistant Professor	
	<b>Researcher</b>	Sep 2016 to March 2017
	Mining of Massive Datasets, Thang Long University Chairman: Tran Vinh Duc, Ph.D	
	<b>Researcher</b>	Jan 2016 to Sep 2016
	Semantic web, Thang Long University Supervisors: Tran Duc Minh, Ph.D	
	<b>Research Assistant</b>	May 2015 to Dec 2015
	Cryptography, Thang Long University Supervisors: Tran Vinh Duc, Ph.D	

## 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

- 2018: Deep learning specifications, Andrew Ng, Coursera.
- 2016: Merit-based scholarship for excellent student of Prof. Hoang Xuan Sinh.(Top3)
- 2016: Certificate of completion of summer school about data mining, VNU University of Engineering and Technology.
- 2016: Machine learning, Andrew Ng, Coursera.
- 2015: Certificate of completion of Internet of Things course, SAPPORO IT FRONT & VINASA.

## PROJECT

### 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, Scala, C/C++, L<sup>A</sup>T<sub>E</sub>X.
- *Technical softwares*: Apache Hadoop, Apache Spark, Tensorflow.
- *OS*: MacOS, Ubuntu, Windows.

## TEACHING EXPERIENCE

### Instructor

Jan 2017 to present

- Introduction to programming in python
- Advanced Programming with C++
- Object Oriented Programming in C++
- Data structure and Algorithms in C++
- Machine learning

## REFERENCES

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

Department of Mathematics and Informatics

Thang Long University

Phone: +8490-412-8118

E-mail: [nhphuong2008@gmail.com](mailto:nhphuong2008@gmail.com)

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

Room 207D, Stauffer-Flint Hall

University of Kansas

Phone: 785-864-2598

E-mail: [hongvu@ku.edu](mailto:hongvu@ku.edu)

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

Department of Computer Science

Hanoi University of Science and Technology

Phone: +84129-823-2275

E-mail: [tranvinhduc@gmail.com](mailto:tranvinhduc@gmail.com)

[Minh Duc Tran](#), Ph.D

Department of Computer Science

Thang Long University

Phone: +8493-971-1243

E-mail: [tdminh2110@yahoo.com](mailto:tdminh2110@yahoo.com)