

Duc Thang NGUYEN

CONTACT INFORMATION	Apt 4115, 15 avenue du Colonel Roche, 31400 Toulouse, France	Cell: +33615-664-476 Email: thangdn.tlu@gmail.com Site: thangdn.com , in/thangdnsf
GOAL	Seeking a full-time position/ Ph.D program 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 optimization techniques.	
WORK EXPERIENCE	Part-time Deep learning in Medical images, Torus Actions SAS, Toulouse	Sept 2019 to present
	Practical Lecturer Computer science, VNU - University of Engineering and Technology	Sept 2018 to Jan 2019
	Lecturer Computer science, Thang Long university	Aug 2017 to sept 2019
EDUCATION	Paul Sabatier University , Toulouse, France Master 1, Computer Science for Aerospace	Sept 2019 to present
	Thang Long University , Hanoi, Vietnam B.Sc., Computer science - GPA: 3.6/4 via 143 credits, Rank: 3/232 • Thesis: <i>Community structure detection in large-scale networks</i> - Score: A+	Aug 2013 to Sep 2017
RESEARCH EXPERIENCE	Researcher Deep learning/Machine learning, ThangLong AI Lab	Jun 2019 to present
	Researcher Formal proof, Chairman: Thomas C. Hales, Professor	Aug 2018 to Sept 2019
	Researcher Deep learning in medical analysis, ThangLong MedAI Brain, Chairman: Phuong Hoang Nguyen, Professor	Aug 2017 to Sept 2019
	Researcher Mining of Massive Datasets, Thang Long University Chairman: Tran Vinh Duc, Ph.D	Sep 2016 to March 2017
PUBLICATIONS	Articles <ol style="list-style-type: none">1. <u>Duc-Thang Nguyen</u> et al (May 2020). An overview of traumatic brain injury identification and treatment approaches using data mining, RISUR20202. <u>Duc-Thang Nguyen</u> et al (Jan 2020). Building a X-ray Database for Mammography on Vietnamese patients and automatic detecting ROI using Mask-RCNN, AICI2020 - The International Conference on Artificial Intelligence and Computational Intelligence.	

3. Duc-Thang Nguyen, Tran.V.Duc (Dec 2015). Generate large prime numbers for RSA encryption algorithm, *ThangLong University*.

Thesies/final projects

1. Duc-Thang Nguyen, Clement Poull (Dec 2019). Audio command recognition by DTW and classification methods. *Scientific computing, Master 1 - CSA, Paul Sabatier University*
2. Duc-Thang Nguyen (2017). Community structure detection in large-scale networks. *ThangLong University*

CERTIFICATES AND AWARDS

Awards

- 2019: 3rd prize the francophone start-up contest 2019: The anti-fraud solution in the study, examination and violence School using AI.
- 2019: Math-AI Toulouse scholarship: 10,000\$ per year.
- 2016: Thang Long University Merit scholarship: 500\$

Certificates

- 2018: Deep learning specifications, Andrew Ng, Coursera.
- 2018: Mathematics for Machine Learning specifications, Coursera.
- 2017-2018: Co-coach in ACM-ICPC Contest for TLU teams
- 2016: Certificate of completion of summer school about data mining, VNU-UET.
- 2016: Machine learning, Andrew Ng, Coursera.

PROJECT

Researcher

Jan 2020 to Now

Facial recognition
Covid19 - Epidemic model
Skin cancer classification
Nuclei segmentation and classification

Student advisor and researcher

Dec 2018 to May 2019

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, Java, etc.
- *Technical softwares*: Tensorflow, Apache Hadoop, Apache Spark, etc.
- *OS*: MacOS, Linux, Windows.

REFERENCES

Nguyen Tien Zung, Professor, Institut de Mathématiques de Toulouse
Building 1R2, room 206 Phone: 05-61-55-76-68
Institut de Mathématiques de Toulouse E-mail: tienszung@math.univ-toulouse.fr

Phuong Hoang Nguyen, Professor of Vietnam
Department of Mathematics and Informatics Phone: +8490-412-8118
Thang Long University E-mail: nhphuong2008@gmail.com

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