

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, Toulouse, France Practical Lecturer Computer science, VNU - University of Engineering and Technology Lecturer Computer science, Thang Long university	Sept 2019 to present Sept 2018 to Jan 2019 Aug 2017 to Aug 2019
EDUCATION	Paul Sabatier University , Toulouse, France Master, Computer Science for Aerospace Thang Long University , Hanoi, Vietnam B.Sc., Computer science - GPA: 3.6/4, Rank: 2/232 • Thesis: <i>Community structure detection in large-scale networks</i> - Score: A+	Sept 2019 to present Aug 2013 to Sep 2017
RESEARCH EXPERIENCE	Researcher Deep learning/Machine learning, ThangLong AI Lab Researcher Formal proof, Chairman: Thomas C. Hales, Professor Researcher Deep learning in medical analysis, ThangLong MedAI Brain, Chairman: Phuong Hoang Nguyen, Professor Researcher Mining of Massive Datasets, Thang Long University Chairman: Tran Vinh Duc, Ph.D	Jun 2019 to Aug 2019 Aug 2018 to Sept 2019 Aug 2017 to Sept 2019 Sep 2016 to March 2017
PUBLICATIONS	Articles 1. <u>Thang, Nguyen Duc</u> , et al. "Building a X-ray Database for Mammography on Vietnamese Patients and automatic Detecting ROI Using Mask-RCNN." <i>Soft Computing for Biomedical Applications and Related Topics</i> . Springer, Cham 315-329.	

2. Duc-Thang Nguyen et al (May 2020). An overview of traumatic brain injury identification and treatment approaches using data mining, RISUR2020.
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.
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 Aug 2019

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

Researcher

Oct 2018 to Aug 2019

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

TECHNICAL SKILLS

- *Programming languages*: Python, C/C++, Js, L^AT_EX, Scala, Java, Lean, etc.
- *Technical softwares*: Tensorflow, Pytorch, Apache Hadoop, Apache Spark, etc.
- *OSs*: MacOS, Linux, Windows.
- *Other*: TPU, GPU.

REFERENCES

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