

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 Github: github.com/thangdnsf
GOAL	Seeking a full-time position/ Ph.D program in Machine learning/ Deep learning or 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	Apprenticeship Internship Part-time ML DevOps engineer, network security manager Torus Actions SAS, Toulouse, France Lecturer Computer science, Thang Long university	Sept 2020 to present Jun 2020 to Sept 2020 Sept 2019 to Jun 2020 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	Sept 2019 to present Aug 2013 to Sep 2017
RESEARCH EXPERIENCE	R&D 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	Aug 2017 to Sept 2019 Sep 2016 to March 2017
PUBLICATIONS	Articles <ol style="list-style-type: none">1. Tô Tat Dat; Protin Frédéric; Nguyen T. T. Hang; Martel Jules; Nguyen Duc Thang; et al. "Epidemic Dynamics via Wavelet Theory and Machine Learning, with Applications to Covid-19" MDPI 2020 (accepted).2. My Hanh Bui, . . . , Thang, Nguyen Duc, et al. "Deep Neural Networks for Mammograms Classification for Breast Cancer Screening", AICI 2021 (accepted).3. <u>Thang, Nguyen Duc</u>, et al. "Building a X-ray Database for Mammography on Vietnamese Patients and automatic Detecting ROI Using Mask-RCNN." Soft Computing for Biomedical Applications and Related Topics. Springer, Cham 315-329.	

4. [Duc-Thang Nguyen et al](#) (May 2020). An overview of traumatic brain injury identification and treatment approaches using data mining, RISUR2020.
5. [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

ML DevOps engineer

Sept 2019 to Now

Facial recognition
Building detection
Covid19 - Epidemic model
Skin products: [Skin cancer](#), [Skin disease](#), [Acne](#), [Psoriasis](#).
Nuclei segmentation and classification

Student advisor and researcher

Dec 2018 to May 2019

[Automatic student attendance using face recognition](#)
Thang Long University

R&D

2018 to Aug 2019

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

TECHNICAL SKILLS

- *Main programming languages*: Python, Javascript, C/C++.
- *Technical softwares*: Tensorflow, Pytorch, Flask, Apache Spark, Apache Hadoop.
- *OSs*: MacOS, Linux, Windows.
- *Other*: TPU, GPU, Firewall, Network management, VPN, Synology NAS.

REFERENCES

[Nguyen Tien Zung](#), Professor, Institut de Mathématiques de Toulouse
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