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

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 — Sept 2019 to present
Deep learning in Medical images,
Torus Actions SAS, Toulouse

Practical Lecturer — Sept 2018 to Jan 2019
Computer science,
VNU - University of Engineering and Technology

Lecturer — Aug 2017 to sept 2019
Computer science,
Thang Long university

Education

Paul Sabatier University, Toulouse, France — Sept 2019 to present

Master 1, Computer Science for Aerospace

Thang Long University, Hanoi, Vietnam — Aug 2013 to Sep 2017

B.Sc.,Computer science - GPA: 3.6/4 via 143 credits, Rank: 3/232

- Thesis: *Community structure detection in large-scale networks* - Score: A+

Research Experience

Researcher — Jun 2019 to present
Deep learning/Machine learning,
ThangLong AI Lab

Researcher — Aug 2018 to Sept 2019
Formal proof,
Chairman: Thomas C. Hales, Professor

Researcher — Aug 2017 to Sept 2019
Deep learning in medical analysis,
ThangLong MedAI Brain,
Chairman: Phuong Hoang Nguyen, Professor

Researcher — Sep 2016 to March 2017
Mining of Massive Datasets,
Thang Long University
Chairman: Tran Vinh Duc, Ph.D

Publications

Articles

1. Duc-Thang Nguyen 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.

2. 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
MoNuSAC - 2020: Multi-organ 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++, LaTeX, Scala, Java, etc.
- *Technical softwares*: Tensorflow, Apache Hadoop, Apache Spark, etc.
- *OS*: MacOS, Linux, Windows.

References

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Hanoi University of Science and Technology E-mail: tranvinhduc@gmail.com

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