

# TU ANH NGUYEN

Hanoi, Vietnam

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## GOAL

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Become an expert in Artificial Intelligence.

## EDUCATION

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**Thang Long University**

Graduate

Bachelor in Applied Mathematics

*Aug 2016 - Mar 2021*

Degree: **Exellent**

## WORK EXPERIENCES

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**Lecturer, Informatics department, Thang Long University**

*2021 - Present*

- Introduction to programing in Python
- Programming language (C++, Python)
- Object Oriented Programming (C++)
- Big Data
- Machine learning

## RESEARCH EXPERIENCES

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**Researcher, ThangLong AI Lab**

*Jun 2019 - Present*

- Research on Deep Learning/Machine Learning.
- Join the Mycosis project - Detection of fungal skin diseases using Deep Learning.
- Chairman: Nguyen Thi Huyen Chau, Ph.D.

**Researcher, ThangLong MedAI Brain**

*Aug 2019 - Present*

- Research on Deep Learning in medical analysis.
- Join the 'Supporting system using Deep Learning in the X-ray diagnosis of breast cancer' project.
- Chairman: Phuong Hoang Nguyen, Professor.

## PROJECTS

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**Supporting system using DL in the X-ray diagnosis of breast cancer**

*Aug 2019 - Present*

*Researcher & Developer*

- Members: Thang Long University and Hanoi Medical University Hospital.
- Early detection of the breast cancer stage from screening mammograms using Deep Learning.

**Mycosis**

*Aug 2019 - Present*

*Researcher & Developer*

- Members: AI Laboratory of Thang Long University and the Torus Laboratory of AT of University of Toulouse.
- Early detection of fungal skin diseases.

- Members: Thang Long University, Pittsburgh University and Carnegie Mellon University
- This project will establish a formal abstract service that will express the results of mathematical publications in a computer-readable form that captures the semantic content of publications.

## **PUBLICATIONS**

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Duc-Thang Nguyen, Tu Anh 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.

## **CERTIFICATES AND AWARDS**

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### **AWARDS**

- **Second prize** for Informatics Olympiad for non-professionals - The Informatics Olympiad 2017 at Ho Chi Minh city.
- **Third prize** for Informatics Olympiad for professionals - The Informatics Olympiad 2018 at Hanoi city.
- **First prize** for Business Idea Competition using Information technology 2018 of Thang Long University.

### **CERTIFICATES**

- 2017: Certificate of Achievement - The 2017 ACM ICPC Asia Ho Chi Minh City Regional Contest.
- 2018: Certificate of Achievement - The 2018 ICPC Asia Southeast and Pacific Hanoi Regional Contest.
- 2018: Certificate of Participation - Ha Noi summer school on formal abstracts.
- 2018: Certificate of Achievement - Business Idea Competition using Information technology.
- 2021: Certificate of Achievement - Excellent academic achievement of Thang Long University

## **TECHNICAL STRENGTHS**

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| <b>Programing Languages</b> | C/C++, Python, Java  |
| <b>Software &amp; Tools</b> | Tensorflow, Keras, sklearn, L <sup>A</sup> T <sub>E</sub> X, Git |

## **ACTIVITIES**

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| <i>2017</i>      | Member of the quarters - BOSS (Business Organization & Social Skills club).               |
| <i>2018-2019</i> | Chief of Algorithm department in ThangLong Information Technology Club.                   |
| <i>Dec 2018</i>  | Organize the CS100 - ACM No.1 Contest for students of Thang Long University.              |
| <i>2018-2019</i> | Organize the courses on algorithms and programming for students of Thang Long University. |

## **REFERENCES**

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| <b>Nguyen Hoang Phuong, Prof</b><br><i>Mathematics and Informatics, Thang Long University</i> | Phone: +8490-412-8118<br><i>E-mail: nhphuong2008@gmail.com</i> |
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