THANH LE-CONG

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Homepage: https://thanhdeku.github.io/

EDUCATION

Hanoi University of Science and Technology   *August 2016 - Jul 2021 (Expected)*
Bachelor of Engineering in Information Technology

- *Selected to Talented Engineering Program (28 out of 1000 students in our cohorts)*
- *GPA: 3.2/4.0 (Rank 10/28)*
- *Relevant courses: Programming Techniques (A+), Object-oriented programming (A+), Algorithm and Application (A+), Artificial intelligence (A)*

National University of Singapore   March 2019
NUS Research Workshop on Computing

Nagoya University   July 2018 - August 2018
AI Summer Camp of Nagoya Universiy

Lam Son High School for Gifted Student   July 2013 - June 2016
Mathematics class

- *1st rank of entrance examination*

RESEARCH INTERESTS

Software Engineering, Program Analysis, Machine Learning, Evolutionary Algorithm

PUBLICATION

1. Bao Hieu Tran, **Thanh Le Cong***, Huu Manh Nguyen, Duc Anh Le, Thanh Hung Nguyen, Phi Le Nguyen, "SAFL: A Self-Attention Scene Text Recognizer with Focal Loss," *IEEE International Conference On Machine Learning And Applications (IEEE ICMLA), 2020*

* *I am co-first author with Bao Hieu Tran. We contribute equally.*

2. Thi Thanh Binh Huynh, Dinh Thanh Pham, Ba Trung Tran, **Cong Thanh Le**, Minh Hai Phong Le, Ananthram Swami, Thu Lam Bui, "A Multifactorial Optimization Paradigm for Linkage Tree Genetic Algorithm," *Information Sciences, Volume 540, pp.325-344, 2020*

3. Chi Thang Duong, Dung Hoang, Truong Giang Le Ba, **Thanh Le Cong**, Hongzhi Yin, Matthias Weidlich, Quoc Viet Hung Nguyen, Karl Aberer, "Unsupervised learning of node embeddings by detecting communities." *Available:* `https://openreview.net/forum?id=Byl3K2VtwB` *(2020)*

4. Trinh Bao Ngoc, Huynh Quyet Thang, **Thanh Le Cong**, Le Ba Truong Giang, Tran Quang Huy, "A new Fictitious Play algorithm for resource allocation," *National Conferece on Fundamental and Applied Information Technology Research (FAIR), 2017*

UNPUBLISHED WORK

1. **Thanh Le Cong**, Xuan Bach D. Le, Nhat Hoa Tran, Quyet Thang Huynh, "Automated patch validation via program invariants," *Under Review, ACM SIGSOFT International Symposium on Software Testing and Analysis (ISSTA) 2021*

2. **Thanh Le Cong**, Xuan Bach D. Le, Quyet Thang Huynh, Phi Le Nguyen, "Usability and Aesthetic: Better Together for Automated Repair of Web Pages," *Under Review, The Genetic and Evolutionary Computation Conference (GECCO) 2021*

RESEARCH EXPERIENCE

Hanoi University of Science and Technology   August 2019 - present
Junior Researcher   *Supervisor: Prof. Huynh Quyet Thang and Dr. Bach Le*

- Topic: Automated Program Repair

Griffith University (Big Data Visualisation Lab)   June 2019 - August 2019
Visiting Scholar   *Supervisor: Dr. Henry Nguyen*

- Topic: Credibility Analysis in Social Media

Hanoi University of Science and Technology   August 2018 - June 2019
Junior Researcher   *Supervisor: Prof. Huynh Thi Thanh Binh*

- Topic: Multitasking Evolutionary Algorithms for Optimizing Artificial Neural Network and Graph-based Models

- Funded by U.S. Army Combat Capabilities Development Command (CCDC) Pacific and CCDC Army Research Laboratory (ARL) ($ 150.000)

PROFESSIONAL EXPERIENCE

VNEXT Software   January 2020 - May 2020
Research Intern   *Supervisor: Dr. Nguyen Phi Le*

· Topic: Scene Text Recognition

SELECTED AWARDS AND HONOURS

Winning   2020
Competition on Innovative Products   *Hanoi University of Science and Technology*

Second Prize   2020
Student Conference on Scientific Research   *Hanoi University of Science and Technology*

Winner   2018
IEEE WCCI competition on Evolutionary Multi-task optimization   *IEEE*

First Prize   2017
Vietnam Mathematics Competition for University Students   *Vietnam Mathematical Society*

Silver Medal   2016
38th International Mathematic Tournament of Towns in Hanoi   *Vietnam National University*

Selected Participant (Top 30 nationwide)   2016
Vietnam Team Selection Test for Internation Mathematical Olympiad   *MOET*

Second Prize   2016
Vietnam Mathematics Olympiad   *Vietnam Ministry of Education and Training (MOET)*

NPDM Scholarship   2014
National Program for the Development of Mathematics   *MOET*

TECHNICAL SKILLS

Programming Language	Python, Java, C/C++
Software & Tools	Latex, MS Office

LANGUAGE SKILLS

Mother tongue	Vietnamese
English	IELTS 6.0

REFERENCE

Prof. Huynh Quyet Thang   Hanoi University of Science and Technology
President

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Dr. Le D. Xuan-Bach   University of Melbourne
Lecturer

Email: bach.le@unimelb.edu.au

Prof. Huynh Thi Thanh Binh   Hanoi University of Science and Technology
Lecturer

Email: binhht@soict.hust.edu.vn