

PERSONAL INFORMATION

Email: dangtv18@gmail.com, dangtv@nii.ac.jp
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Homepage: <https://dangtv.github.io>
Date of birth: 01 August 1994
Gender: Male
Nationality: Vietnamese

RESEARCH INTERESTS

Distributed System, Functional Programming, Data Processing

EDUCATION

PhD student October 2017 - present
*Department of Informatics (National Institute of Informatics),
School of Multidisciplinary Sciences,
The Graduate University for Advanced Study (SOKENDAI), Japan*

B.Sc. in Information Technology August 2017
*Center for Training of Excellent Students,
School of Information and Communication Technology,
Hanoi University of Science and Technology, Vietnam*

WORK EXPERIENCE

Research Assistant October 2014 – May 2017
*High Performance Computing Centre (HPCC), International Research Institute for
Computational Science and Engineering (ICSE), Hanoi University of Science and
Technology (HUST), Vietnam*

- Research on novel models for malicious behavior detection on mobile devices by mining collected logs
- Research and develop predictive auto-scaling models for cloud systems
- Research and develop efficient prediction models based on machine learning technique for resource consumptions in cloud environment
- Research and develop mathematical models for energy-efficient server management

Supervisor: Dr. Binh Minh Nguyen

PUBLICATIONS

Journal publications

1. Nguyen, Binh Minh; Tran, Dang and Nguyen, Giang. Enhancing service capability with multiple finite capacity server queues in cloud data centers. *Cluster Computing* 19(4), p. 1747-1767, 2016, ISSN: 1573-7543. doi:10.1007/s10586-016-0653-y.

Conference publications

2. Dang Tran, Nhuan Tran, Giang Nguyen and Binh Minh Nguyen. A Proactive Cloud Scaling Model Based on Fuzzy Time Series and SLA Awareness. In *Procedia Computer Science (International Conference on Computational Science, ICCS 2017, 12-14 June 2017, Zurich, Switzerland)*, vol. 108, p. 365-374, 2017, ISSN: 1877-0509. doi:10.1016/j.procs.2017.05.121
3. Dang Tran, Nhuan Tran, Binh Minh Nguyen and Hieu Le. PD-GABP - A Novel Prediction Model Applying for Elastic Applications in Distributed Environment. In proceeding of *3rd National Foundation for Science and Technology Development Conference on Information and Computer Science*, IEEE, Danang, 2016, p. 240-245, ISBN: 978-1-5090-2100-0/16. doi:10.1109/NICS.2016.7725658
4. Binh Minh Nguyen, Dang Tran and Quynh Nguyen. A strategy for server management to improve cloud service QoS. In *proceeding of 2015 IEEE/ACM 19th International*

Symposium on Distributed Simulation and Real Time Applications (DS-RT), pp. 120–127, Oct 2015, Chengdu, China. doi:10.1109/DS-RT.2015.14

5. Dang Tran and Nhuan Tran. PD-GABP - A Novel Prediction Model Applying for Elastic Applications in Distributed Environment (in Vietnamese). In *proceeding of 33rd Student Conference of Scientific Research, Hanoi University of Science and Technology, Vietnam*, May 2016. (Third Prize)
6. Dang Tran and Quynh Nguyen. A strategy for server management to improve quality of cloud services (in Vietnamese). In *proceeding of 32nd Student Conference of Scientific Research, Hanoi University of Science and Technology, Vietnam*, May 2015. (Encouraging Prize)

LANGUAGES Vietnamese – Mother tongue
English – Proficient user

PERSONAL SKILLS **Communication skills**

- Team work: Working in various types of research teams from [High Performance Computing Centre](#) and [Data Science Laboratory](#)
- Giving presentations in academic conferences such as [NICS 2016](#) and [HUST student conference of scientific research](#).

Professional skills

- Good ability to research independently with a strong mathematical background.
- Methodology for programming, web applications/services, cloud computing and machine learning.
- Variety of tools for designing and programing applications/services:
 - Operating systems: GNU/Linux, Windows.
 - Programming languages: Java, Python, PHP, C/C++, C#, JS.
 - Markup languages: HTML/CSS, XML.
 - Database: MySQL.
 - IDE: IntelliJ Idea, NetBeans, PyCharm, Visual Studio.
 - Office Tools: Latex, MS Office, etc.

AWARDS

- **Third Prize** May 2016
In 33rd Student Conference of Scientific Research, Hanoi University of Science and Technology
- **Encouraging Prize** May 2015
In 32nd Student Conference of Scientific Research, Hanoi University of Science and Technology.
- **FUYO scholarship** March 2015
From the FUYO Foundation (under FUYO Group) of Japan.
- **First Prize** April 2013
In 21st National Mathematics Olympiad for Students organized by Ministry of Education and Training and Vietnam Mathematical Society.
- **Second Prize** April 2013
In 16th National Physics Olympiad for Students organized by Ministry of Education and Training, Vietnam Physical Society and Vietnam Union of Scientific & Technological Associations.
- **Hoa Trang Nguyen Award** September 2012
From Ministry of Education and Training, Vietnam National University and Tan Tao University.
- High mark in the entrance examination to Hanoi University of Science and Technology, Vietnam. Maths: 9/10; Physics: 9.5/10; Chemistry: 9.25/10. August 2012

- Also passed the entrance examination to Hanoi Medical University (Odonto-Stomatology major). Biology: 6.5/10; Maths: 10/10; Chemistry: 8.5/10. August 2012

- TRAINING COURSES
- Cloud Service Business course May 2016
Organized by Korea Advanced Institute of Science and Technology along with the Korean Ministry of Science, ICT and Future Planning.
Received the certificate from KAIST.
 - Summer School on Statistical Machine Learning August 2015
Organised by Vietnam Institute for Advanced Study in Mathematics.
Received the certificate from VIASM.

REFERENCES

Dr. Binh Minh Nguyen
Researcher & Lecturer,
Hanoi University of Science and Technology E-mail: minhnb@soict.hust.edu.vn