

PERSONAL INFORMATION	Email: dangtv18@gmail.com, 20121515@student.hut.edu.vn Phone: (+84) 96 435 1894 Skype: dangtv18 Address: Hanoi, Vietnam Homepage: <a href="https://dangtv.github.io">https://dangtv.github.io</a> Date of birth: 01 August 1994 Gender: Male Nationality: Vietnamese	
RESEARCH INTERESTS	Cloud computing, Distributed System, Data Mining	
EDUCATION	<b>Final-year student</b> <i>Center for Training of Excellent Students, School of Information and Communication Technology, Hanoi University of Science and Technology, Vietnam</i>	September 2012 – Present
WORK EXPERIENCE	<b>Research Assistant</b> <i>High Performance Computing Centre (HPCC), International Research Institute for Computational Science and Engineering (ICSE), Hanoi University of Science and Technology (HUST), Vietnam</i> <ul style="list-style-type: none"><li>• Research on novel models for malicious behavior detection on mobile devices by mining collected logs (present)</li><li>• Research and develop predictive auto-scaling models for cloud systems (2016-present)</li><li>• Research and develop efficient prediction models based on machine learning technique for resource consumptions in cloud environment (2015-2016)</li><li>• Research and develop mathematical models for energy-efficient server management (2014-present)</li></ul> Supervisor: Dr. Binh Minh Nguyen	October 2014 – Present
PUBLICATIONS	<b>Journal publications</b> <ol style="list-style-type: none"><li>1. Nguyen, Binh Minh; <u>Tran, Dang</u> and Nguyen, Giang. Enhancing service capability with multiple finite capacity server queues in cloud data centers. <i>Cluster Computing</i> 19(4), p. 1747-1767, 2016, ISSN: 1573-7543. doi:10.1007/s10586-016-0653-y.</li></ol> <b>Conference publications</b> <ol style="list-style-type: none"><li>2. <u>Dang Tran</u>, Nhuan Tran, Giang Nguyen and Binh Minh Nguyen. A Proactive Cloud Scaling Model Based on Fuzzy Time Series and SLA Awareness. In <i>Procedia Computer Science (International Conference on Computational Science, ICCS 2017, 12-14 June 2017, Zurich, Switzerland)</i>, vol. 108, p. 365-374, 2017, ISSN: 1877-0509. doi:10.1016/j.procs.2017.05.121</li><li>3. <u>Dang Tran</u>, Nhuan Tran, Binh Minh Nguyen and Hieu Le. PD-GABP - A Novel Prediction Model Applying for Elastic Applications in Distributed Environment. In proceeding of <i>3rd National Foundation for Science and Technology Development Conference on Information and Computer Science</i>, IEEE, Danang, 2016, p. 240-245, ISBN: 978-1-5090-2100-0/16. doi:10.1109/NICS.2016.7725658</li><li>4. Binh Minh Nguyen, <u>Dang Tran</u> and Quynh Nguyen. A strategy for server management to improve cloud service QoS. In <i>proceeding of 2015 IEEE/ACM 19th International Symposium on Distributed Simulation and Real Time Applications (DS-RT)</i>, pp. 120-127, Oct 2015, Chengdu, China. doi:10.1109/DS-RT.2015.14</li></ol>	

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 32rd 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 21<sup>st</sup> National Mathematics Olympiad for Students organized by Ministry of Education and Training and Vietnam Mathematical Society.
- **Second Prize** April 2013  
 In 16<sup>th</sup> 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, Phone: (+84) 96 799 5584  
Hanoi University of Science and Technology E-mail: minhnb@soict.hust.edu.vn

Dr. Huu-Duc Nguyen  
Vice Dean of International Institute for Computational Science and Engineering (ICSE), Phone: (+84) 97 565 1915  
Hanoi University of Science and Technology E-mail: ducnh@soict.hust.edu.vn