Dang Tran (Trần Văn Đặng) *Curriculum vitae*

Personal Information

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Date of birth: 01 August 1994
Gender: Male
Nationality: Vietnamese

Research Interests

Cloud computing, Green computing, Energy-aware server management, Queueing models, Proactive auto-scaling, Machine learning.

Education

Final-year student September 2012 – Present
Center for Training of Excellent Students,
School of Information and Communication Technology,
Hanoi University of Science and Technology, Vietnam

- *CPA: 3.45/4.00 (via 126 credits)*

Research Experience

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

- Research and develop mathematical models for energy-efficient server management.
- Research and develop prediction models for auto-scaling problem in cloud environment.

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), 1747-1767, 2016, ISSN: 1573-7543. doi:10.1007/s10586-016-0653-y.

Conference publications

2. Tran, Dang; Tran, Nhuan; Nguyen, Binh Minh and Le, Hieu. 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

3. Nguyen, Binh Minh; Tran, Dang and Nguyen, Quynh. 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. doi:10.1109/DS-RT.2015.14

4. Tran, Dang and Tran, Nhuan. PD-GABP - Một mô hình dự đoán tiêu dùng tài nguyên cho các ứng dụng trong môi trường phân tán. In *proceeding of 33rd Student Conference of Scientific Research, Hanoi University of Science and Technology, Vietnam*, May 2016. (Third Prize)

5. Tran, Dang and Nguyen, Quynh. Chiến lược điều khiển và quản lý máy chủ để tăng chất lượng các dịch vụ điện toán đám mây. In *proceeding of 32nd Student*

Conference of Scientific Research, Hanoi University of Science and Technology, Vietnam, May 2015. (Encouraging Prize)

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 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

Languages

Vietnamese – Mother tongue
English – Independent user

Personal skills

Communication skills

- Team work: Working in various types of research teams from High Performance Computing Centre and Knowledge & Data Engineering 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.

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.

- CEH preparation course — December 2015
  Provided by IPMAC networking academy.
  Received the certificate from IPMAC.

References

Dr. Binh Minh Nguyen
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Hanoi University of Science and Technology
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Dr. Huu-Duc Nguyen
Vice Dean of International Institute for Computational Science and Engineering (ICSE),
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