Dang Tran

Curriculum vitae

Personal Information

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Address: Hanoi, Vietnam
Homepage: https://dangtv.github.io
Date of birth: 01 August 1994
Gender: Male
Nationality: Vietnamese

Research Interests

Cloud computing, Distributed System, Data Mining

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

Work 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 on novel models for malicious behavior detection on mobile devices by mining collected logs (present)
- Research and develop predictive auto-scaling models for cloud systems (2016-present)
- Research and develop efficient prediction models based on machine learning technique for resource consumptions in cloud environment (2015-2016)
- Research and develop mathematical models for energy-efficient server management (2014-present)

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 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

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
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