Long Hoang Le

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1. EDUCATION

Ph.D., Informatics, Università della Svizzera italiana, Switzerland, 2020
Concentrations: Distributed system
Dissertation: *Scaling state machine replication*
Dissertation Advisors: Fernando Pedone, Professor, Università della Svizzera italiana

M.Sc., Informatics, International University, Ho Chi Minh City, Vietnam, 2014
Concentrations: Information System Management
Thesis: *Intelligent faceted search on RDF data*
Thesis Advisor: Cuong Nguyen, Professor, International University, Vietnam

B.Sc, Informatics, International University, Ho Chi Minh City, Vietnam, 2010

2. PUBLICATIONS

Eslahi-Kelorazi, M., Hoang Le, L. and Pedone, F. [2020] "Developing Complex Data Structures over Partitioned State Machine Replication", *2020 European Dependable Computing Conference (EDCC).*

Hoang Le, L., Fynn, E., Eslahi-Kelorazi, M., Soulé, R. and Pedone, F. [2019]. "Dynastar: Optimized dynamic partitioning for scalable state machine replication", *2019 IEEE 39th International Conference on Distributed Computing Systems (ICDCS)*, pp. 1453–1465.

Hoang Le, L., Bezerra, C. E. and Pedone, F. [2016]. "Dynamic scalable state machine replication", *2016 46th Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN)*, pp. 13–24.

Bezerra, C. E., Hoang Le, L and Pedone, F. [2016]. "Strong consistency at scale", *IEEE Data Eng. Bull* 39(1): 93–103.

3. PRESENTATIONS

Hoang Le, L (2019). "Scaling State Machine Replication", Talk at Poznań University of Technology, Poznań, Poland.

Hoang Le, L (2019). "Dynastar: Optimized dynamic partitioning for scalable state machine replication", Paper presented at International Conference on Distributed Computing Systems, Texas, USA.

Hoang Le, L (2016). "Dynamic scalable state machine replication", Paper presented at International Conference on Dependable Systems and Networks, Toulouse, France.

4. AWARDS AND HONORS

10/2012: 1st runner up, Code+ challenge by BATC, Singapore
09/2011: Scholarship for Master of Information System Management, International University, Vietnam
07/2010: Second price, Game Development on Java contest, CS Department, International University, Vietnam
2006 – 2010: Annual scholarship award for top students, CS Department, International University, Vietnam
05/2006: Commendation of President of Ba Ria-Vung Tau Province, Viet Nam.
04/2006: Bronze medal, National Olympiad in Informatics, Ho Chi Minh City, Vietnam
02/2006: Third prize, Informatics contest for high school, Ba Ria-Vung Tau, Vietnam.
02/2005: Second prize, Informatics contest for high school, Ba Ria-Vung Tau, Vietnam.

5. TEACHING EXPERIENCE

Teaching Assistant, Università della Svizzera italiana, 2015-2020
Courses: Operating System (3), Distributed System (2), Programming Fundamentals (3)

6. WORKING EXPERIENCE

01/2015 - 09/2015: Architect lead, Chief R&D, SiliconPrime, Ho Chi Minh City, Vietnam
07/2012 - 03/2015: Technical team lead, tiNiPlanet, Ho Chi Minh City, Vietnam
09/2010 - 07/2012: Software Engineer, CSC Vietnam, Ho Chi Minh City, Vietnam

7. RELEVANT SKILLS

Solid knowledge in Computer Science, with competencies in algorithms, data structures, operating system, programming languages, and distributed algorithms.

Experience in the development of multithreaded and distributed client-server infrastructure, using different network protocols and dealing with problems related to distributed and multithreaded code.

Experience with programming, optimizing and debugging. Hand on experience with multiprogramming, multi-platform coding (Linux, Mac OS X, and Win32)

Practical experience with web/application development, blockchains