KHOA NGUYEN

1018-2055 Carling Ave, Ottawa, Ontario, Canada . 613 406 8249 . khoantd2010@gmail.com

SUMMARY OF QUALIFICATIONS

- Experience in Telecom industry.
- Background in programming languages: C/C++, MATLAB, Java, Python.
- Experience with integration, problem-solving, and creative thinking.
- Research interests: software-defined networks (SDN), network function virtualization (NFV), cloud computing, future Internet architectures, machine learning.

PROFESSIONAL EXPERIENCE

Instructor   *Sept, 2013 - Sept, 2015*
Can Tho University of Technology, Can Tho City, Viet Nam

- Developing and executing program objectives for the Electrical and Electronics Engineering Program.
- Building course syllabus and curriculum for Electronic and Electrical Materials subject.
- Counseling students on academic and professional probation.

Telecommunication Engineer   *Mar, 2009 - Nov, 2010*
Viettel Telecom Company, Can Tho City, Viet Nam.

- Monitoring, resolving and response to technological issues in Network Operation Center.
- Installing, configuring, and maintaining network infrastructure in a large-scale network.
- Collaboration with other departments to initialize, follow and move projects forward as well as fixing up unexpected technical issues in networks.
- Daily report documentation of work, progress, plans and remaining issues.
- Sharing knowledge through technical seminars with teams and other departments.
- Providing technical support for other department in case of incident.

Network Engineer (Work package)   *Jun, 2008 - Mar, 2009*
Vietnam mobile services company (VMS-Mobifone) - Zone 3, Can Tho City, Vietnam.

- Monitoring, resolving and response to technological issues in Operation and Maintenance Center (O&M).
- Collaboration with Telecommunication Network companies to initialize, follow up and move projects forward.
- Daily documentation of work and remaining issues.
- Maintaining numerous Base Transceiver Stations and Base Station Controllers in 2G network.
- Testing new mobile services.

EDUCATION

Ph.D. in Electrical and Computer Engineering   *2015-Present*

The Department of Systems and Computer Engineering, Carleton University, Canada

M.Sc. in Telecommunications Engineering   *2012 - 2013*

Faculty of Computer Science, University of Sunderland, UK

B.Eng. Degree in Electronics and Telecommunication   *2003 - 2008*

College of Engineering Technology, Can Tho University, Vietnam

TEACHING ASSISTANCE – CARLETON UNIVERSITY

- SYSC2004 – Object-Oriented Software Development (LEC)   *Fall 2019*
- SYSC2004 – Object-Oriented Software Development (LEC)   *Winter 2019*
- SYSC2004 – Object-Oriented Software Development (LEC)   *Fall 2018*
- SYSC2004 – Object-Oriented Software Development (LEC)   *Winter 2018*
- SYSC2310A – Introduction to Digital Systems   *Fall 2017*
- ECOR1606 – Problem Solving and Computers   *Winter 2017*
- ECOR1606 – Problem Solving and Computers   *Summer 2017*
- SYSC5801F - Advanced Topic in Computer Communications   *Fall 2016*
- SYSC5801W - Advanced Topic in Computer Communications   *Winter 2016*

SCHOLARSHIPS & AWARDS

- Mekong 1000 Project Scholarship,   *Oct, 2010*
- VIED Scholarship,   *Sept, 2014*

PUBLICATIONS

- Khoa. TD N. and C. Huang, "An Intelligent Parallel Algorithm for Online Virtual Network Embedding" in Proceedings of 8th IEEE International Conference on Computer, Information and Telecommunication Systems - August 28-31, 2019, Beijing, China.

- Qiao, L., Khoa. TD N. and C. Huang, "Distributed Parallel Algorithms for Online Virtual Network Embedding Applications" Wiley International Journal of Communication Systems, September 2019 (submitted).