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# KHOA NGUYEN

2055 Carling Ave, Ottawa, Ontario, Canada . 613 406 8249 . [khoantd2010@gmail.com](mailto:khoantd2010@gmail.com) .

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## SUMMARY OF QUALIFICATIONS

- More than two-year experience in the IT industry.
- PhD degree in Electrical and Computer Engineering.
- Background in Cloud computing, SDN, NFV, routing & switching, container technologies, network development & automation, orchestrations and wireless networks.
- More than one-year research internship experience in parked vehicle edge computing framework based on Kubernetes for online task offloading in Canada.
- Experience with integration, problem-solving, and creative thinking.
- Familiarity with Linux, Git, C/C++, Python, MATLAB, Java.
- 13 publications including 3 journals, 8 reputable conference papers and 2 journal papers (submitted for publication).

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## PROFESSIONAL EXPERIENCE

**Research Intern** **Jan, 2020 - Mar, 2021**

BitQubic Corp. , Ottawa, Canada.

This project was funded by NSERC, conducting research on extensible and reliable edge computing infrastructure.

**Instructor** **Sept, 2013 - Sept, 2015**

Can Tho University of Technology, Can Tho City, Viet Nam.

Contributing to constructing the Electrical and Electronics Engineering Program and teaching the Electronic and Electrical Materials course.

**Telecommunication Engineer** **Mar, 2009 - Nov, 2010**

Viettel Telecom Company, Can Tho City, Viet Nam.

Main duties consist of monitoring, configuring, maintaining and resolving technological issues in the Network Operation Center.

**Network Engineer (Work package)** **Jun, 2008 - Mar, 2009**

Vietnam mobile services company (VMS-Mobifone) - Zone 3, Can Tho City, Vietnam.

The job includes monitoring, maintaining, resolving and collaborating with partners to solve technological issues in the Operation and Maintenance Center (O&M) as well as testing new mobile services.

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## EDUCATION

**Ph.D. in Electrical and Computer Engineering** **2015 - 2021**

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.

## **PROFESSIONAL ACTIVITIES - REVIEWER**

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### ***Journals:***

- IEEE Transaction on Network and Service Management,
- IEEE Internet of Things Journal,
- IEEE Access Journal,
- Journal of Networking and Network Applications,

### ***Conferences:***

- IEEE Global Communications Conference (Globecom),
- IEEE Vehicular Technology Conference (VTC),
- IEEE Vehicular Power and Propulsion (VPP),
- IEEE/ACM Conference on Connected Health Applications, Systems, and Engineering Technologies (CHASE).

## **SCHOLARSHIPS, AWARDS AND ACHIEVEMENTS**

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### ***Grants:***

- Research Intern at BitQubic funded by NSERC conducting a research on extensible and reliable edge computing infrastructure **Jan 2020 - Mar 2021**
- Student Travel Grant to IEEE International Conference on Communications (ICC 2021) **2021**

### ***Scholarships:***

- Mekong 1000 Project Scholarship **2010**
- VIED Scholarship **2014**

### ***Teaching Assistant - Carleton University:***

- SYSC5801: Advanced Topic in Computer Communications,
- SYSC5001: Discrete Simulation/Modelling (LEC),
- SYSC2310: Introduction to Digital Systems,
- SYSC2004: Object-Oriented Software Development (LEC),
- ECOR1606: Problem Solving and Computers.

### ***Certificates:***

- Neural Networks and Deep Learning - Coursera Certificate **2019**
- Certificate of Mobile Technologies and Services Training Program, Centre for Excellence in Telecom Technology & Management Mumbai **2014**
- Certificate in Teaching Methodology, Can Tho University **2013**