Khoa Nguyen, Ph.D.

Mobile: +1 613 406 8249 │ **Email: khoantd2010@gmail.com** │ **Ottawa, Canada** │ **PGWP** │ 🌐 g in

PERSONAL SUMMARY

- PhD degree in Electrical and Computer Engineering in Carleton University, Canada.

- More than two-year experience in the IT industry.

- 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 Canada, proposing a parked vehicle edge computing framework based on Kubernetes for online task offloading.

- Experience with network integration, analysis, problem-solving, and creative thinking.

- Familiarity with C/C++, Python, MATLAB, Java, Linux, Git.

- **13** publications including 3 journals, 8 reputable conference papers and other 2 journal papers submitted for publication.

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, Viet Nam.
Teaching the Electronic and Electrical Materials course, and constructing the Electrical and Electronics Engineering Training Program.

Telecommunication Engineer   *Mar, 2009 - Nov, 2010*

Viettel Telecom Company, Can Tho, Viet Nam.
Main duties were consisted 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, Vietnam.
The job was involved in 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.

EDUCATION

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

Department of Systems and Computer Engineering, Carleton University, Canada.
Thesis: **Distributed and Parallel Metaheuristic-based Algorithms for Online Virtual Resource Allocation.**

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

Faculty of Computer Science, University of Sunderland, United Kingdom.

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

College of Engineering Technology, Can Tho University, Vietnam.

PROFESSIONAL ACTIVITIES - reviewer

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),
- IEEE Wireless Communications and Networking Conference (WCNC).

SCHOLARSHIPS, AWARDS AND ACHIEVEMENTS

*Grants***:**
- Research Intern at BitQubic funded by Natural Sciences and Engineering Research Council (NSERC) **Jan 2020 - Mar 2021**
- Student Travel Grants to IEEE ICC and GLOBECOM conferences **2021**

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

*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**

SKILLS

- Strong independent research
- Adaptability
- Management skills
- Strategy development and implementation
- Interpersonal and communications skills