Master 2
Multimedia Networking

Bao Quoc NGUYEN

Man, 26 years old, Vietnamese

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EDUCATION

- 09/2016 – present **Master 2 in Multimedia Networking at Telecom ParisTech in France.**
- 09/2011 –12/2015 **Bachelor in Computer Engineering at HCMC University of Technology in Vietnam.**
-   Excellent program – ABET standard.

PUBLICATIONS

➢ Bao Ho, **Quoc NGUYEN-Bao**, Cuong Pham-Quoc and Tran Ngoc Thinh, "Secured-OFS: A Novel OpenFlow Switch Architecture with Integrated Security Functions", The Advanced of International Conference on Advances in Information and Communication Technology (ICTA2016), 12-13 December , 2016, Thai Nguyen, Vietnam

➢ Tran Ngoc Thinh, Cuong Pham-Quoc, Biet Nguyen-Hoang, **Quoc NGUYEN-Bao**, Nguyen Quoc Tuan, "FPGA-based Multiple DDoS Countermeasure Mechanisms System Using Partial Dynamic Reconfiguration", REV Journal on Electronics and Communications, ISSN: 1859-378X, 5, July-Dec , 2015 (doi=10.21553/rev-jec.137)

WORKING AND RESEARCH EXPERIENCE

- 2011 – Present: **Website programming** (designer, administrator, SEO web).

  Implement some websites which run over 5 years.

  Truclamtu.com/vi, hocbongsinhvien.org, nguonsongvang.com, goodwillscholarship.org.

- 2016 – Present: **HTTP Adaptive Streaming** (project at Telecom ParisTech).

  Implement a new adaptive streaming algorithm on GPAC platform to minimize the rebuffering and maximize the video quality, as well as the high quality of experience (QoE).

- 6 – 8/2016 : **Apply Machine learning on Network Intrusion Data Using R**

  Research intern at King Mongkut's University of Technology in Thailand.

- 2014 – 2016: **Secured-OFS: A Novel OpenFlow Switch Architecture with Integrated Security Functions**

  Deploy an OpenFlow Switch - an implementation of SDN - combining with two simple secured-cores to prevent a DDoS attacking technique on Reconfigurable Hardware (NetFPGA 10G).

- 2015 – 2016: **Teaching assistant** (at HCMC university of Technology in Vietnam).

  Teach the Digital logic design lab and the Digital circuit design with the HDL lab.

AWARDS

- 2015 – 2016: Research prize Euréka.
- 2011 – 2014: Quang Ngai Scholarship, Dan On Scholarship and CSC Vietnam scholarship.
- 2007 – 2008: Awarded the second prize in programming language.

SKILLS

- Programming: C, C++ Java, Python, Matlab, PHP, CSS, Html, Java script R programming, Verilog, Assembly.
- Network: TCP/IP, OSI model, LAN, VLAN, SSH, FTP, DNS, MPLS, OpenFLow, QoS, VPN, DHCP.
- Standard: JPEG, JPEG2000, MPEG-2, MPEg-4, H.264, HEVC.
- Tools: Wireshark, TeXstudio, Inkscape, Vim, esclipse.
- Environment: Windows, Linux (CentOS, Ubuntu, Fedora), GPAC, NetFPGA10G, OpenFLow, Hadoop, OVM, UVM.

LANGUAGE

English: IELTS certificate.   **French:** beginner.