

Hoa Nguyen-Thanh

Master Student and Teaching Assistant

University of Information Technology (UIT) – Vietnam National University (VNU-HCM)
Ho Chi Minh City - Vietnam

☎ +84 833 221293 • ✉ hoant@uit.edu.vn • 🔗 linkedin.com/in/nguyenthanhhoa

Date of Birth: December 22, 1993

Education

University of Information Technology - VNU-HCM

Ho Chi Minh City

Undergraduate Degree, GPA: 9.02/10

2011-2016

Major: Computer Networks and Communications

Thesis: "Build management and control system for surveillance cameras with Raspberry Pi"

Advisor: Dr. Tuan NGUYEN-ANH - Grade: 9.4/10

University of Information Technology - VNU-HCM

Ho Chi Minh City

Master's Degree, GPA: 8.97/10

2016 - present

Major: Computer Science

Thesis: "An empirical study on DDoS detection and mitigation for Software-Defined Networking"

Advisor: Dr. Van-Hau PHAM

Research Interest and Objective

Principal research interests: *future networks architecture, SDN, containerization, network security.*

Earning a Bachelor's degree in Computer Networks and Communications, Hoa is currently pursuing a master's degree in Computer Science, which is the core of information technology to cultivate his knowledge in computer vision, machine learning, and distributed computing.

He is seeking for an academic internship opportunity to leverage his expertise as well as his experiences to undertake postgraduate research regarding computer networks, especially in future network architectures, mobile computing and how to apply machine learning to networking, thus making a cornerstone preparation for the Ph.D. research afterward.

Experience

Research

- Working as a research assistant with a professor.
- Conducting a literature review, and self-research.
- Collecting dataset, conducting experiments and empirical research.
- Writing, publishing and presenting research papers.

Teaching

- Teaching Assistant and Instructor for computer networks and information security courses:
 - **Network courses:** *Introduction to Computer Networks; Networks and Systems Administration; Basic Network Programming; Network-based and Web-based Application Development.*
 - **Security courses:** *Cryptography; Network security (Basic and Advanced courses); Personnel security, identification, and authentication; Ethical Hacking.*
- CCNA Cisco Academy Instructor (CCAI) Certificate.

Leadership and Management.....

Chairman **UIT – VNU-HCM**
Vietnam National Union of Students (VNUS) in UIT *3/2015 – 12/2015*

- Captain of "Green Summer" Volunteer Campaign 2015.
- Head of organization of "UIT Student Leader" contest 2015.

Chairman **UIT – VNU-HCM**
Youth Union of Faculty of Computer Networks and Communications, UIT *3/2017 – present*

- Head of organization of 1st Security Day and 1st Network Day in UIT (2017).
- Mentor of two Student Academic Club about Information Security and Computer Networks .

International activities.....

Vietnam's member delegation **Tokyo and Gifu, Japan**
Japan-East Asia Network of Exchange for Students and Youths *6/2014 - 7/2014*

Leader of IT Team, Vietnam's member delegation **Champasak, Laos**
"Green Summer" volunteer campaign *7/2015 - 8/2015*
Training statistical analysis (SPSS and R) for Champasak University lecturers

Technical Skills

- Programming languages: Python; PHP; HTML/CSS - Javascript; C++; C#, Java.
- Software-Defined Networking (SDN): SDN Testbed, Ryu, OpenFlow, OpenvSwitch.
- Containerization (*Docker, Kubernetes, Rancher*) and Virtualization (*VMWare*) techniques.
- Configuring Cisco network devices, next-gen firewalls (SOPHOS).
- Report: \LaTeX , Microsoft Office, Google Docs.

Languages

English: Upper Intermediate *TOEIC: Reading and Listening: 660/990; Speaking and Writing: 301/400*
Vietnamese: Mother tongue

Awards and Honors

- "Best Paper" award in The 3rd Symposium on Information Security (SoIS 2018, Vietnam).
- "Excellent staff" award at UIT for two consecutive years in 2017 and 2018.
- "Student of Five Merits" award at National level in 2015.

References

Dr. Tuan Nguyen-Anh Vice Rector of UIT Email: tuanna@uit.edu.vn	Dr. Van-Hau Pham Head of Information Security Lab, UIT Email: haupv@uit.edu.vn	Assoc. Prof. Quan Le-Trung Dean of Faculty of Computer Networks and Communications, UIT Email: quanlt@uit.edu.vn
---	--	--

Publications

H. Nguyen-Thanh, N. Le-Thi-Chau, and V.-H. Pham. Online Tracking - Are we really safe on the Internet? *Journal of Information & Communications Technology (JoICT - Vietnam, ISSN 1859-3550)*, pages 29 – 38, 2017.

H. Nguyen-Thanh, T. Pham-Van, and V.-H. Pham. SDNsUIT - Monitor and early detection method for DDoS attack in Software-Defined Networking. *Journal of Information & Communications Technology (JoICT - Vietnam, ISSN 1859-3550)*, pages 131–140, 2018.