

Hoa Nguyen-Thanh

Teaching Assistant and Master Student

University of Information Technology (UIT)

Vietnam National University (VNU-HCM) – Ho Chi Minh City - Vietnam

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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 Degree, GPA: 8.97/10

2016 - present

Major: Computer Science

Research Interest and Objective

Principal research interests: *future networks, SDN, network security*

Master student in Computer Science at University of Information Technology (VNU-HCM), seeking to leverage two study abroad experiences and a semester-long research internship to undertake postgraduate research regarding future networks.

Experience

Research

- Working as research assistant with university professor (Dr. Van-Hau Pham).
- Conducting literature review; self-study and self-research.
- Writing, publishing and presenting research papers in conferences and journals.
- Conducting experiments, collecting dataset, doing empirical research.

Teaching

- Teaching Assistant and Instructor for network and 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

Youth Union of Faculty of Computer Networks and Communications, UIT

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

UIT – VNU-HCM

3/2017 – present

International activities

Vietnam's member delegation

Japan-East Asia Network of Exchange for Students and Youths

Tokyo and Gifu, Japan

6/2014 – 7/2014

Leader of IT Team, Vietnam's member delegation

"Green Summer" volunteer campaign

Champasak, Laos

7/2015 – 8/2015

Training statistical analysis (SPSS and R) for Champasak University lecturers

Techical 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 Vituarlization (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

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

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