

Tri-Hai Nguyen

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Tri-Hai Nguyen received the B.Sc. (Honors) degree in Computer Science from University of Information Technology, HCMC, Vietnam, in 2015. He received his M.Eng degree in Information and Communication Technology (ICT) from Soongsil University, Korea, in 2017. He has been pursuing a doctoral degree in ICT at Soongsil University since Fall 2017. He is working in the ANDA (Advanced Network Design & Analysis) Lab under the supervision of Prof. Myungsik Yoo. His current research interests include Software-Defined Networking, Network Function Virtualization, Cloud Computing.

Education

- **Soongsil University** Seoul, Korea
Ph.D. Information and Telecommunication Engineering *Sept. 2017 - Present*
 - Advisor: Prof. Myungsik Yoo
 - Project: vCPE development in the MEC (Multi-access Edge Computing) Environment
- **Soongsil University** Seoul, Korea
M.Eng. Information and Telecommunication Engineering *Sept. 2015 - Aug. 2017*
 - Advisor: Prof. Myungsik Yoo
 - GPA: 3.89/4.50 (91.10/100.0)
 - Thesis: Vulnerability Analysis of Controller in Software-Defined Networking
- **University of Information Technology** HCMC, Vietnam
B.Sc. (Hons.) Computer Science *Sept. 2011 - Aug. 2015*
 - Advisor: Assoc. Prof. Vu Thanh Nguyen
 - GPA: 8.97/10 (First class with distinction, rank: 1/120)
 - Thesis: Multiclass Text Classification with Support Vector Machine (Score: 9.4/10)

Experience

- **ANDA Lab, Soongsil University** Seoul, Korea
Research Assistant/Ph.D. Researcher *Sept. 2015 - Aug. 2017/ Sept. 2017 - Present*
 - Advanced Network Design & Analysis Lab.
 - *Website:* <http://anda.ssu.ac.kr/>
- **Buzzmetrics Vietnam** HCMC, Vietnam
Research Internship *Feb. 2015 - May. 2015*
 - Consumer Insight from Social Listening.
 - *Website:* <http://buzzmetrics.com/>

Publications

• Journal

- (2017)(SCIE) **Tri-Hai Nguyen**, Myungsik Yoo, “*A Hybrid Detection Method for Link Service Attacks in SDIoT*”, IJDSN, November 2017, Volume 13, Issue 11 [2016 Impact Factor: 1.239] (DOI: 10.1177/1550147717739157).
- (2017)(SCIE) **Tri-Hai Nguyen**, Myungsik Yoo, “*Analysis of Attacks on Device Manager in Software-Defined Internet of Things*,” IJDSN, August 2017, Volume 13, Issue 8 [2016 Impact Factor: 1.239] (DOI: 10.1177/1550147717728681).
- (2017)(SCIE) Duy-Linh Nguyen, **Tri-Hai Nguyen**, Trong-Hop Do, Myungsik Yoo, “*Probability-based Multi-hop Diffusion Method for Influence Maximization in Social Networks*”, Wireless Personal Communications (WPC), April 2017, Volume 93, Issue 4, pp 903916 [2016 Impact Factor: 0.951] (DOI: 10.1007/s11277-016-3939-8).
- (2016)(Domestic) **Tri-Hai Nguyen**, Myungsik Yoo, “*Diffusion-Based Influence Maximization Method for Social Network*,” The Journal of Korean Institute of Communications and Information Sciences (J-KICS), 16-10 Vol.41 No.10, 2016, p. 1244-1246 (DOI: 10.7840/kics.2016.41.10.1244).

• Conference

- (2018)(Intl.) **Tri-Hai Nguyen**, Trinh Nguyen, Myungsik Yoo, “*Analysis of Deployment Approaches for Virtual Customer Premises Equipment*,” ICOIN 2018, Jan. 10-12, 2018, Chiang Mai, Thailand. (To appear)
- (2017)(Intl.) **Tri-Hai Nguyen**, Myungsik Yoo, “*A Behavior-based Mobile Malware Detection Model in Software-Defined Networking*,” ICISCT 2017, IEEE, Nov. 2-4, 2017, Tashkent, Uzbekistan (DOI: 10.1109/ICISCT.2017.8188590).
- (2017)(Intl.) **Tri-Hai Nguyen**, Myungsik Yoo, “*Analysis of Link Discovery Service Attacks in SDN Controller*,” ICOIN 2017, IEEE, Jan. 11-13, 2017, Da Nang, Vietnam (DOI: 10.1109/ICOIN.2017.7899515).
- (2016)(Intl.) **Tri-Hai Nguyen**, Myungsik Yoo, “*Attacks on Host Tracker in SDN Controller: Investigation and Prevention*,” ICTC 2016, IEEE, Oct. 19-21, 2016, Ramada Plaza Hotel, Jeju Island, Korea (DOI: 10.1109/ICTC.2016.7763545).
- (2015)(Intl.) Vu Thanh Nguyen, **Nguyen Tri Hai**, Nguyen Hoang Nghia, Tuan Dinh Le, “*A Term Weighting Scheme Approach for Vietnamese Text Classification*,” FDSE 2015, Springer International Publishing, Nov. 23-25, 2015, HCMC, Vietnam (DOI: 10.1007/978-3-319-26135-5_4).
- (2015)(Intl.) **Nguyen Tri Hai**, Nguyen Hoang Nghia, Tuan Dinh Le, Vu Thanh Nguyen, “*A Hybrid Feature Selection Method for Vietnamese Text Classification*,” KSE 2015, IEEE, Oct. 8-10, 2015, HCMC, Vietnam (DOI: 10.1109/KSE.2015.25).

Others

- **Summit/Workshop/Exchange Programs**

- (2017) OpenStack Summit, Nov. 6-8, 2017 Sydney, New South Wales, Australia.
- (2017) **Tri-Hai Nguyen**, Trinh Nguyen, Jinseok Choi, Myungsik Yoo, “*vCPE Development and Deployment*,” Internet Infra System Technology Research Center (IISTRC) Workshop, Sept. 21-22, 2017, Mayfield Hotel, Seoul, South Korea.
- (2016) **Tri-Hai Nguyen**, Jinseok Choi, Myungsik Yoo, “*Vulnerability of SDN Controller*,” Smart Services Security For You Research Center (S4URC) Workshop, Aug. 22-23, 2016, Konjiam Resort, Gyeonggi-do, South Korea.
- (2014) JENESYS 2.0 A youth exchange project between Japan and ASEAN Member States, Sept. 14-23, 2014, Japan.

- **Selected Accomplishments**

- (Scholarship) Special Scholarship for Ph.D. Student, Soongsil University, 2017 - Now.
- (Scholarship) Graduate Scholarship, Soongsil University, 2015 - 2017.
- (Scholarship) POSCO TJ Park Foundation Scholarship, South Korea, 2015.
- (Scholarship) PonyChung Foundation Scholarship, South Korea. 2013.
- (Scholarship) “Tiep suc uoc mo” Scholarship, Sponsored by TuoitreOnline and Vietcombank, Vietnam, 2013.
- (Award) The best graduating student of the course 2011 - 2015, Department of Computer Science, University of Information Technology, VNU-HCM, Vietnam.
- (Award) “Student with five-good merits” Award, 4 years in a row, 2011 - 2015.
- (Award) National “January Star” Award, Jan. 2015.
- (Award) National “Student with five-good merits” Award, Top 10 best students in Vietnam, Dec. 2014.
- (Award) “Ho Chi Minh City Information Communications Technology (HCMC ICT)” Award, HCM City People’s Committee, Vietnam, Nov. 2014.

References

- **Prof. Myungsik Yoo**

Professor, School of Electronic Engineering, Soongsil University, Seoul, South Korea.
E-mail: myoo@ssu.ac.kr

- **Dr. Trong-Hop Do**

Postdoctoral, School of Electronic Engineering, Soongsil University, Seoul, South Korea.
E-mail: dotronghop@ssu.ac.kr

- **Assoc. Prof. Vu Thanh Nguyen**

Associate Professor, Dean of Faculty of Software Engineering, University of Information Technology, VNU-HCM, Ho Chi Minh City, Vietnam.
E-mail: nguyenvt@uit.edu.vn