Trinh Dinh Phuc

Academic CV

neuralfast.com
+8210 9934 9876
phuctrinh@soongsil.ac.kr
Gangnam - Seoul - South Korea

Education

3/2019 – 02/2021 **Master of Engineering**, *Department of Information and Communication Engineering, Soongsil University (SSU), South Korea*.

- GPA: 4.13/4.5 (A0 - Excellent).
- Research topic: Network Security in SDN and NFV applied ML, Big Data, Cloud Computing.

2014 – 2018 **Bachelor's Degree of Information Technology**, *Department of Computer Science, Telecommunications University (TCU) Vietnam, Aug 2018*.

- GPA: 3.43/4.0 (rank #1 of the class).

Work Experiences

03/2021 – present **Senior Machine Learning Engineer at Mergerity**, *Gangnam, Seoul, South Korea*.

03/2019 – 02/2021 **Research Assistant at SNS Lab**, *System and Network Security Lab, Dongjak-gu, Seoul, South Korea*.

08/2018 – 02/2019 **Data Scientist**, *POPS WorldWide, District 10, Ho Chi Minh City, Vietnam*.

04/2018 – 7/2018 **Web Developer Intern**, *DevNet, Khanh Hoa, Vietnam*.

07/2017 – 10/2018 **Machine Learning Engineer**, *CBD Robotics, Ho Chi Minh City, Vietnam*.

Publications

IEEE ACCESS **R-EDoS: Robust Economic Denial of Sustainability Detection in an SDN-based Cloud through Stochastic Recurrent Neural Network**.
Trinh Dinh Phuc, Minho Park, IEEE ACESS - [Q1 - SCIE, IF=5.14].

IEEE DSC 2021 **BDF-SDN: A Big Data Framework for DDoS Attack Detection in Large-Scale SDN-Based Cloud**.
Trinh Dinh Phuc, Minho Park, IEEE DSC, Japan, Jan 2021.

IEEE ICCE 2021 **Economic Denial of Sustainability (EDoS) Detection using GANs in SDN-based Cloud**.
Trinh Dinh Phuc, Minho Park, IEEE ICCE, Phu Quoc island - Vietnam, Jan 2021.

IEEE ACCESS **ECSD: Enhanced Compromised Switch Detection in an SDN-Based Cloud Through Multivariate Time-Series Analysis**.
Trinh Dinh Phuc, Minho Park, IEEE ACESS - [Q1 - SCIE, IF=5.14].

IEEE FMEC 2020 **Dynamic Economic-Denial-of-Sustainability (EDoS) Detection in SDN-based Cloud**.
Trinh Dinh Phuc, Minho Park, IEEE FMEC, Paris, July, 2020.

IEEE APCC 2019 **Abnormal SDN switches detection based on chaotic analysis of network traffic**.
Trinh Dinh Phuc, Lee Tae-Hee, Nguyen Canh Thang, Pham Dang Sa, Minho Park, 38th IEEE International Performance Computing and Communications Conference.

IEEE ICTC 2019 **An Effective Defense Against SYN Flooding Attack in SDN**.
DongHyuk Kim, **Trinh Dinh Phuc**, Sichul Noh, Junmin Yi, Minho Park, The 10th International Conference on Information and Communication Technology Convergence.

Awards & Recognition

Feb 2019 **Fully-funded Master's Scholarship at Soongsil University, Seoul, South Korea**.

July 2018 **Entropy 2018 - Data Analytics Competition**.
Advanced to the semi-final round of ENTROPY 2018 by JVN (John Von Neumann).

Dec 2016 **CTF - Information security competition**.
The third prize team in capture the flag (CTF) competition in Da Nang.

Invited reviewers for:

IEEE Access – Multidisciplinary open access journal.
Q1 SCIE - IF=5.14

References

Prof. Kaveh R. Khalilpour — Professor at University of Technology Sydney (UTS), Faculty of Engineering and IT, Sydney, Australia [**website**]
Kaveh.Khalilpour@uts.edu.au

Prof. Li Zhou — Professor at University of Greenwich, Faculty of Business, London, UK [**website**]
li.zhou@gre.ac.uk

Prof. Minho Park — Professor of Department of Information Communication, Materials, and Chemistry Convergence Technology, Seoul, South Korea [**website**]
mhp@ssu.ac.kr

Research Interests

My main research interests are in the fields of machine learning, deep learning, big data, computer networks, and network security.

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