
Zhong, Fangtian

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1600 South Eads Street, Arlington, VA, 22202, USA

Education

The George Washington University (GWU)

09/2018-Present

- Degree: Ph.D. in *Computer Science*
- Adviser: Prof. Xiuzhen Cheng

Northeast Normal University (NENU)

09/2014-07/2018

- Degree: B.Eng. in *Software Engineering*
- Ranked 1st out of 105, Class of 2014

Research Fields

- System Security
- Software Security
- Machine Learning Applications in Security
- Adversarial Machine Learning

Publications

**corresponding author*

- F. Zhong, Z. Chen, M. Xu, G. Zhang, D. Yu, and X. Cheng, "Malware-on-the-Brain: Illuminating Malware Byte Codes with Images for Malware Classification," Submitted to IEEE Transactions on Computers.
- F. Zhong, P. Hu, X. Cheng, and J. Yu, "Reinforcement Learning based Adversarial Malware Example Generation against Black-box Detectors," Submitted to IEEE Transactions on Information Forensics and Security.
- Z. Chen, F. Zhong, Z. Chen, X. Zhang, X. Zhang, R. Pless and X. Cheng, "DCAP: Deep Cross Attentional Product Network for User Response Prediction," ACM International Conference on Information and Knowledge Management, pp. 1-10, 2021.
- F. Zhong, X. Cheng, D. Yu, B. Gong, S. Song, and J. Yu, "MalFox: Camouflaged Adversarial Malware Example Generation Based on Conv-GANs Against Black-Box Detectors," IEEE Transactions on Computers, pp. 1-14, 2021.
- Y. Jia, F. Zhong*, A. Alrawais, B. Gong, and X. Cheng, "Flowguard: An intelligent edge defense mechanism against iot ddos attacks," IEEE Internet of Things Journal, pp. 9552-9562, 2020.

Employment

Research Assistant

06/2020-08/2020

06/2019-08/2019

Teaching Assistant

✧ *Software Engineering*

01/2020-05/2020

08/2019-12/2019

08/2018-12/2018

✧ *Algorithms and Data Structure*

01/2019-05/2019

Instructor

✧ *Wireless and Mobile Security*

08/2020-12/2020

Skills

- Programming Languages: C, C++, Assembly, Python, Java;
- Machine Learning Libraries: Tensorflow, Keras, Scikit-learn, Numpy
- Other frameworks: OpenCV, Django

Activities

Visiting scholar in Shandong University

2018&2019

Selected Honors & Awards

- Graduate Fellowship 2020
- Graduate Merit Award 2018&2019

Professional Affiliations

- Journal Reviewer: IEEE Internet of Things Journal, IEEE Transactions on Computers, Computer Communications
- Conference Reviewer: IEEE INFOCOM 2019-2021, IEEE IPDPS 2021