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# Zhong, Fangtian

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500 E College Ave, State College, PA, 16801, USA

## Education

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### The George Washington University (GWU)

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

### Northeast Normal University (NENU)

- **Degree:** B.Eng. in *Software Engineering*
- Ranked 1<sup>st</sup> out of 104

## Research Fields

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

## Publications

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*\*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," *IEEE Transactions on Computers*. (CCF A)
- **F. Zhong**, P. Hu, X. Cheng, and J. Yu, "Reinforcement Learning based Adversarial Malware Example Generation against Black-box Detectors," submit to *IEEE Transactions on Information Forensics and Security*. (CCF A)
- 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. (CCF B)
- **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. (CCF A)
- 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. (JCR-1)

## Employment

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Research Assistant	06/2020-08/2020
	06/2019-08/2019
Teaching Assistant	
	◇ <i>Software Engineering</i>
	01/2020-05/2020
	08/2019-12/2019
◇ <i>Algorithms and Data Structure</i>	08/2018-12/2018
	01/2019-05/2019

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**Instructor**

✧ *Wireless and Mobile Security*

08/2020-12/2020

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**Skills**

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

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**Activities**

Visiting scholar in Shandong University

2018&2019

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**Selected Honors & Awards**

- Graduate Fellowship 2020
- Graduate Merit Award 2018&2019

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**Professional Affiliations**

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