Zhilong Wang

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Education

Pennsylvania State University *Feb. 2018 - Present*
Research Assistant in College of Information Sciences and Technology
Research: ARM Security, IOT Security
Advisor: Xinyu Xing

Nanjing University *Sep. 2016 - Present*
M.S. in Department of Computer Science and Technology
Major: Computer Science and Technology
Advisor: Bing Mao

Zhengzhou University *Sep. 2012 - Jul. 2016*
Earned Dachelor's Degree of Computer Science and Technology

- GPA: 3.6/4.0 Ranking: 1/240

Research Interests

Static and Dynamic Program Analysis, Taint Analysis, Symbolic Execution, Program Compilation, Computer and Software Security, Linux Kernel.

Research Projects

Cyber Security Lab, Nanjing University. *Jul. 2017 - Present*
Research Assistant at Pennsylvania State University
ARM Security, IOT Security

Security Group, Nanjing University. *Sep. 2016 - Jun. 2017*
Member of Academic Dept.
Design dynamic stack guard[1,2] and new program obfuscation techniques[3]
Explore secure dynamic linking techniqures

Robotics Lab, Zhengzhou University. *Oct. 2013 - Jul. 2014*
Group Member
Design and develop automatic robot control algorithms

Awards & Honors

The first prize of Program Testing Competition of Henan Province, 2015

First-class scholarship of Zhengzhou University, 2015

The first prize of China Robot Competition and RoboCup China Open (Beijing), 2014

The first prize of ACM Computer Programming Contest of Zhengzhou University, 2014

National Scholarship, 2014

Publications

1. **Zhilong Wang**, Xuhua Ding, Chengbin Pang, Jian Guo, Jun Zhu and Bing Mao. "To Detect Stack Buffer Overflow With Polymorphic Canaries." In IEEE/IFIP International Conference on Dependable Systems and Networks (DSN), 2018.

2. Jun Zhu, Weiping Zhou, **Zhilong Wang**, Dongliang Mu, and Bing Mao."DiffGuard: Obscuring Sensitive Information in Canary Based Protections." International Conference on Security and Privacy in Communication Systems. Springer, Cham, 2017.

3. Dongliang Mu, Jia Guo, Wenbiao Ding, **Zhilong Wang**, Bing Mao, and Lei Shi." ROPOB: Obfuscating Binary Code via Return Oriented Programming." International Conference on Security and Privacy in Communication Systems. Springer, Cham, 2017.