

Yueqi Chen

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RESEARCH INTERESTS

Software security, systems security, program analysis

EDUCATION

Ph.D in Information Sciences and Technology, Pennsylvania State University, 2017 - Present,
Advisor: Xinyu Xing
B.S. in Computer Science and Technology, Nanjing University, 2013 - 2017

EXPERIENCES

Research Assistant, Pennsylvania State University, 2017 Fall - Present (advisor: Xinyu Xing)
Teaching Assistant, Nanjing University, Distributed Network, 2016 Fall
Research Assistant, University of California Santa Cruz (remote), 2016 Spring (advisor: Chen Qian)

HONORS & AWARDS

39th IEEE Symposium on Security and Privacy, Student Travel Grant Award, 2018
The Second-Class People Scholarship, Rank 2, 2016
University Outstanding students, Top 5%, 2015
The Second-Class People Scholarship, Rank 1, 2015

PUBLICATIONS

1. W. Wu, **Y. Chen**, J. Xu, X. Xing, W. Zou, X. Gong, FUZE: Towards Facilitating Exploit Generation for Kernel Use-After-Free Vulnerabilities, USENIX Security 2018.

PROJECTS

1. Enabling PoC (Proof of Concept) Transferability for Memory Corruption Vulnerabilities, 2017 Fall - Present
2. Facilitating Exploit Generation for Use-After-Free Vulnerabilities in Linux Kernel, 2017 Fall - Present
3. Improving fuzzing efficiency for IoT devices, 2018 Spring - Present
4. Designing a scalar pipeline CPU in MIPS ISA on FPGA, 2016 Fall
5. Designing a highly efficient C-like Compiler, 2015 Fall
6. Developing a single core CPU emulator for x86 ISA, 2014 Fall

COMPETITIONS

1. 2017 NSA codebreaker Challenge, Team member, Rank 5, 2017
2. Compiler optimization contest in Nanjing University, Individual, Rank 2, 2015

COMMUNITY SERVICES

1. External reviewer: AsiaCCS 2018, CNS 2018.