CHENGBIN PANG

163 Xianlin Road, Qixia District, Nanjing City, China
(+86)17602547685 ⋄ pangbin2415@gmail.com

EDUCATION

Nanjing University, China *September 2017 - Present*
PhD Candidate of Computer Science and Technology
Department of Computer Science and Technology
Major in Software and System Security

Shandong University, China *September 2013 - June 2017*
Bachelor of Engineering
Department of Computer Science and Technology.

RESEARCH INTERESTS

Binary Disassembling

Fuzzing

Software harden

PUBLICATIONS

Chengbin Pang, Ruotong Yu, Eric Koskinen, Georgios Portokalidis, and Jun Xu. "Towards Optimal Use of Exception HandlingInformation for Function Detection." 51st Annual IEEE/IFIP International Conference on Dependable Systems and Networks(DSN 2021).

Chengbin Pang, Ruotong Yu, Yaohui Chen, Eric Koskinen, Georgios Portokalidis, Bing Mao and Jun Xu. "SoK: All You Ever Wanted to Know About x86/x64 Binary Disassembly But Were Afraid to Ask." To be appeared in the 42nd IEEE Symposium on Security and Privacy(S&P 2021).

Chengbin Pang, Jun Xu and Eric Koskinen. "Demystify Today's Binary Disassembling and How Modern ABI Makes it Easier." In BlackHat Asia 2020.

Chengbin Pang, Yunlan Du, Bing Mao, and Shanqing Guo. "Mapping to Bits: Efficiently Detecting Type Confusion Errors." In Proceedings of the 34th Annual Computer Security Applications Conference(ACSAC), 2018.

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.

EXPERIENCES

Stevens Institute of Technology *April 2019 - September 2020*

- Visiting Scholar
- Prof. Jun Xu

PROJECTS

The Detection of Type Confusion Errors *February 2018 - August 2018*
The project aims at designing a tool to detect type confusion errors efficiently. We design a new data struct which maps every class into a bit.

Polymorphic Canaries *September 2017 - December 2017*
The project aims at designing the polymorphic canaries to defeat the byte-by-byte attacks effectively and efficiently.

The Analysis of Android App's Behaviors *February 2016 - September 2016*
The project aims at s a system which monitors the behaviors of Android Apps and find their malicious behaviors. The system is based on Xposed framework.

AWARDS & HONORS

Chrome Bug Bounty($5000)	March 2021
Chrome Bug Bounty($2000)	July 2020
Scholarship of Shenzhen Stock Exchange	December 2018
First-class Academic Scholarship of Nanjing University	December 2018
Second-class Academic Scholarship of Nanjing University	December 2017
Scholarship of Guanghua	October 2016
Second prize of Huawei Software Challenge	April 2016
Second prize of Qilu Software Competition	December 2015
Second-class Scholarship of Shandong University	October 2014