

School of Computer Science and Technology
Northwest University, China

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Track Record

Dr. Guixin is a full-time student registered toward a PhD degree in Software Engineering at Northwest University. Now, he is in the third year of his PhD. His research interests are focused on Privacy and Software Security, and he has extensive experience in authentication and software bug detection. His work has published in the premier conferences (CCS, NDSS) and journal (ACM TOPS) in security. Guixin's prior work on Android pattern authentication mechanism is widely reported by the mainstream medias (Daily Mail, The Times, Forbes, etc.).

Education

2015.09 to Present	Northwest University	Software Engineering	PhD
2014.09 to 2015.07	Northwest University	Information Security	Master
2010.07 to 2014.09	Shandong University of Technology	Information and Computing Science	Bachelor

Recent Involved Research Grants

- He is/was involved as the core member on the China Computer Federation-NSFOCUS Kunpeng Grant (CCF-NSFOCUS2017009);
- He is/was co-investigator on the National Natural Science Foundation of China (NSFC, No.61672427)

Publications

Guixin's research interests is focus on using machine learning to discover new security issues to authentication mechanism and software system. He also has been working in the area of software bugs automatic detection and repairing. The following is his full list publications.

[ACM CCS'18] *Guixin Ye, Zhanyong Tang, Dingyi Fang, et al. Yet Another Text Captcha Solver: A Generative Adversarial Network Based Approach*, The 25th ACM Conference on Computer and Communications Security (CCS), 2017. **Top security conference. Accept rate: 16%**

[ACM TOPS'18] *Guixin Ye, Zhanyong Tang, Dingyi Fang, et al. A Video-based Attack for Android Patter Lock*, ACM Transaction on Privacy and Security (TOPS), 2018. **Premier security journal.**

[NDSS'17] *Guixin Ye, Zhanyong Tang, Dingyi Fang, et al. Cracking Android Pattern Lock in Five Attempts*, The Network and Distributed System Security Symposium (NDSS), 2017. **Top security conference, Accept rate: 16%. Media coverage including Daily Mail, The Times, Mirror, Forbes, and many others.**

[Applied Sciences'18] *Tang Z, Li M, Ye G, et al. VMGuards: A Novel Virtual Machine Based Code Protection System with VM Security as the First Class Design Concern[]*. **Applied Sciences**, 2018.

Awards

- Shaanxi Provincial Higher Education Science and Technology Award (No.16B18), 2016
- First-class Scholarship for one time, and Second-class Scholarship for two times.

Professional Services

- Member of the ACM
- Member of the CCF, China

Professional Skills

- Proficient in Python, Matlab, Latex and Office Softwares.
- Familiar with popular programming languages: C++, Java, JavaScript, C#, HTML, etc.
- Pass CET-6 in 2014 and CET-4 in 2011.

Hobbies

- Reading and playing billiards are Guixin's hobbies that often been done.
- Guixin prefers outdoor sports such as skilling and climbing.