

TAO LV (吕涛)

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EDUCATION

University of Chinese Academy of Sciences, Beijing, China September 2018-Present
M.S. in Cyber Security, School of Cyber Security GRE: 320+3.0, GPA: 3.83/4.0
Advisor: Kai Chen.

Huazhong University of Science and Technology, Wuhan, China September 2014-June 2018
B.E. in Information Security, School of Computer of Science and Technology GPA: 87.93

RESEARCH INTERESTS

I am broadly interested in operating systems and computer security. Recently, I focus on vulnerability discovery.

PUBLICATIONS

- [1] **RTFM! Automatic Assumption Discovery and Verification Derivation from Library Document for API Mis-use Detection.**
Tao Lv, Ruishi Li, Yi Yang, Kai Chen, Xiaojing Liao, XiaoFeng Wang, Peiwei Hu and Luyi Xing.
In *Proceedings of the ACM Conference on Computer and Communications Security (CCS)*, November, 2020.
- [2] **FuzzGuard: Filtering out Unreachable Inputs in Directed Grey-box Fuzzing through Deep Learning**
Peiyuan Zong, Tao Lv, Dawei Wang, Zizhuang Deng, Ruigang Liang and Kai Chen.
In *Proceedings of the USENIX Security Symposium (Security)*, August, 2020.

INTER EXPERIENCE

NSFOCUS, Xi'an, China July 2018-August 2018
Security Service Engineer: vulnerability exploit training for China Mobile and China Unicom.

PROFESSIONAL SKILLS

Vulnerability discovery: Proficient in fuzzing and CodeQL.
Program analysis techniques: Taint analysis, symbolic execution, software reversing and LLVM Pass.
Programming language: Proficient in c, Python and x86_64 assembly language.

HONORS AND AWARDS

National Scholarship , China Ministry of Education (Top 2%, 10/500)	2020
Merit Student , University of Chinese Academy of Sciences (Top 15%, 76/500)	2020
Outstanding Graduates , Huazhong University of Science and Technology	2018

Merit Student , Huazhong University of Science and Technology (Top 3%, 1/30)	2017
First Class Prize , The 10th National College Student Information Security Contest (15%, 38/246)	2017

REFERRERS

Dr. Kai Chen (Master Advisor)

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Dr. Xiaojing Liao

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Dr. XiaoFeng Wang

James H. Rudy Professor of Computer Science
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Dr. Guozhu Meng

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