Curriculum Vitae – Tong Zhu

Address: SEIEE 3-335, 800 Dongchuan Road, Shanghai Jiao Tong University, Shanghai, 200240, China

Email: tongzhu@sjtu.edu.cn
https://nsec.sjtu.edu.cn/~tongzhu/

Short Bios

I am pursuing my Ph.D. degree at the Department of Computer Science & Engineering of Shanghai Jiao Tong University. Previously, I received a Bachelor of Science degree in the field of computer science and technology from University of Electronic Science and Technology of China in June 2019. My current research interests are mobile security and privacy. I published several international conference and journal papers, including ACM CCS ('21, '24), USENIX Security, IEEE ICDCS, DFRWS, and Digital Investigation. I have identified and reported multiple security vulnerabilities in various systems. I also serve as the reviewer for academic journals including Peer-to-Peer Networking and Applications (PPNA).

Education

2019.09 - now   **Shanghai Jiao Tong University, Shanghai, China**

Ph.D., Computer Science and Engineering
Advisor: Professor Haojin Zhu
Area of Study: Mobile Security and Privacy

2015.09 - 2019.06 **University of Electronic Science and Technology of China, Chengdu, China**

B.S., Computer Science and Engineering
Advisor: Professor Ting Chen

Honors & Awards

Jun. 2019	Outstanding Graduate Student of University of Electronic Science and Technology of China
Dec. 2018	Grand Prize Scholarship (Top 3%)
Oct. 2018	A-level Certificate of Comprehensive Quality for College Students in Sichuan Province
May 2017	Excellent Student Cadre
Dec. 2017	Second Prize Scholarship
Aug. 2017	Second Prize of Mathematical Contest In Modeling in Sichuan Province
Dec. 2016	First Prize Scholarship

Research Interest

- **Mobile Security and Privacy**
  My research interests focus on identifying and addressing new security threats in mobile systems. I am especially interested in the detection of mobile advertising fraud and digital forensics. I am interested in a set of novel techniques and projects that can improve the security and privacy of mobile systems and have a real-world impact. My research mainly focuses on:

  - Static / dynamic analysis on mobile systems such as Android.

  - Mobile advertising fraud detection.

  - Digital forensics.

Publications

Conference Papers

1. **Tong Zhu**, Chaofan Shou, Zhen Huang, Guoxing Chen, Xiaokuan Zhang, Yan Meng, Shuang Hao, Haojin Zhu. Unveiling Collusion-Based Ad Attribution Laundering Fraud: Detection, Analysis, and Security Implications[C]. ACM 31st Conference on Computer and Communications Security (**ACM CCS'24**, *CCF-A*). ACM, 2024.

2. Lu Zhou, Chengyongxiao Wei, **Tong Zhu**, Guoxing Chen, Xiaokuan Zhang, Suguo Du, Hui Cao, Haojin Zhu. POLICYCOMP: Counterpart Comparison of Privacy Policies Uncovers Overbroad Personal Data Collection Practices[C]. The 32nd USENIX Security Symposium(**USENIX Security '23**, *CCF-A*). USENIX, 2023.

3. **Tong Zhu**, Yan Meng, Haotian Hu, Xiaokuan Zhang, Minhui Xue, Haojin Zhu. Dissecting Click Fraud Autonomy in the Wild[C]. ACM 28th Conference on Computer and Communications Security (**ACM CCS'21**, *CCF-A*). ACM, 2021.

4. Ting Chen, Zihao Li, Yufei Zhang, Xiapu Luo, Ang Chen, Kun Yang, Bin Hu, **Tong Zhu**, Shifang Deng, Teng Hu, Jiachi Chen, Xiaosong Zhang. Dataether: Data exploration framework for ethereum[C]. IEEE 39th International Conference on Distributed Computing Systems (**ICDCS'19**, *CCF-B*). IEEE, 2019, pp.1369-1380.

5. Xiaodong Lin, Ting Chen, **Tong Zhu**, Kun Yang, Fengguo Wei. Automated forensic analysis of mobile applications on Android devices[C]. Digital Forensics Research Workshop (**DFRWS'18**, *CCF-C*). Elsevier, 2018. (The first student author.)

Journal Papers

1. Xiaodong Lin, Ting Chen, **Tong Zhu**, Kun Yang, Fengguo Wei. Automated forensic analysis of mobile applications on Android devices[J]. **Digital Investigation**, *SCI*, 2018. 26: p. S59-S66.(The **special issue** of the DFRWS'18. The first student author.)

Patent

1. Haojin Zhu, **Tong Zhu**, Yan Meng. 2022. Mobile advertising click fraud detection method, system, and terminal based on static analysis. CN (**National Invention Patent**) CN113191809B, filed May 7, 2021, and issued August 9, 2022.

Teaching Assistant

Spring 2021 Network Security

Department of Computer Science & Engineering,
Shanghai Jiao Tong University

Professional Services

- Peer-to-Peer Networking and Applications (PPNA): Reviewer

Other Information

Discovered Vulnerabilities

1. CNVD-2020-31071, High

2. CNVD-2020-31516, Medium

3. CNVD-2020-31517, Medium