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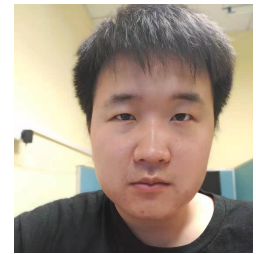
教育背景

香港理工大学，电子计算学系，博士，导师：罗夏朴	2021 - 今
电子科技大学，计算机科学与工程学院（网络空间安全学院），硕士，导师：陈厅	2017 - 2020
电子科技大学，计算机科学与工程学院，学士	2013 - 2017

职业经历

香港理工大学，电子计算学系   2018.08 – 2019.01
- 研究助理

研究方向

区块链系统安全：包括区块链基础设施，分布式应用，及智能合约等。

奖励荣誉

杰出论文奖，ACM Conference on Computer and Communications Security (CCS)   2024

2023 年度最佳 DeFi 论文，ACM CCS Workshop on Decentralized Finance and Security   2024

以太坊基金会学术资助项目，Co-PI 主研，以太坊基金会   2023
- 资助项目：机器学习赋能的非法智能合约和交易检测系统
- 资助金额：126,500 美元

优秀毕业生，电子科技大学   2020

最佳论文提名，International Symposium on Empirical Software Engineering and Measurement (ESEM，软件工程领域 CCF B 会议)   2019

国家奖学金, 教育部   2019

最佳论文，IEEE International Conference on Computer Communications (INFOCOM，计算机网络领域 CCF A 会议)   2018

区块链最佳论文，中国计算机学会区块链技术委员会   2018

国家奖学金, 教育部   2018

最佳论文，International Conference on Information Security Practice and Experience (ISPEC，计算机安全领域高水平会议)   2017

教学经历

- 区块链与智能合约安全（**Blockchain and Smart Contract Security，COMP5566**）：助教
- 网络空间安全（**Cyber and Internet Security，COMP5355**）：助教
- 面对对象编程（**Object-Oriented Programming，COMP2021**）：助教
- 人机交互（**Human Computer Interaction，COMP5517**）：助教

学术服务

学术会议程序委员会成员
- **DeFi 2024**
- **BlockSys 2023 and 2024**
- **SecureComm 2023**
- **KDD 2024**

学术会议 AE 评审委员会成员

- **USENIX Security 2024**
- **ACSAC 2022**

学术期刊审稿人

- **IEEE Transactions on Dependable and Secure Computing (TDSC)**
- **IEEE Transactions on Software Engineering (TSE)**

学术论文

1. **Z. Li**, X. Peng, H. Zhe, X. Luo, T. Chen, **fAmulet: Finding Finalization Failure Bugs in Polygon zkRollup**, ACM Conference on Computer and Communications Security (CCS), 2024. (计算机安全领域四大顶级会议之一，**CCF A 会议**)

2. Z. Sun, **Z. Li**, X. Peng, X. Luo, M. Jiang, H. Zhou, Y. Zhang, **DoubleUp Roll: Double-spending in Arbitrum by Rolling It Back**, ACM Conference on Computer and Communications Security (CCS), 2024. (计算机安全领域四大顶级会议之一，**CCF A 会议**)

3. F. Luo, H. Lin, **Z. Li**, X. Luo, R. Luo, Z. He, S. Song, T. Chen, X. Luo, **Towards Automatic Discovery of Denial of Service Weaknesses in Blockchain Resource Models**, ACM Conference on Computer and Communications Security (CCS), 2024. (计算机安全领域四大顶级会议之一，**CCF A 会议**)

4. W. Shuo, **Z. Li**, H. Zhou, X. Luo, J. Li, H. Wang, **Following the "Thread": Toward Finding Manipulatable Bottlenecks In Blockchain Clients**, ACM SIGSOFT International Symposium on Software Testing and Analysis (ISSTA), 2024. (软件工程领域 **CCF A 会议**)

5. Z. He, **Z. Li**(共同第一作者), A. Qiao, X. Luo, X. Zhang, T. Chen, S. Song, D. Liu, W. Niu, **"NURGLE: Exacerbating Resource Consumption in Blockchain State Storage via MPT Manipulation"**, IEEE Symposium on Security and Privacy (S&P), 2024. (计算机安全领域四大顶级会议之一，**CCF A 会议**)

6. S. Wu, **Z. Li**, L. Yan, W. Chen, M. Jiang, C. Wang, X. Luo, H. Zhou, **"Are We There Yet? Unraveling the State-of-the-Art Smart Contract Fuzzers"**, IEEE/ACM International Conference on Software Engineering (ICSE), 2024. (软件工程领域 **CCF A 会议**)

7. **Z. Li**, J. Li, Z. He, X. Luo, T. Wang, X. Ni, W. Yang, X. Chen, and T. Chen, **"Demystifying DeFi MEV Activities in Flashbots Bundle"**, ACM Conference on Computer and Communications Security (CCS), 2023. (计算机安全领域四大顶级会议之一，**CCF A 会议**)

8. K. Zhao, **Z. Li**, J. Li, H. Ye, X. Luo, and T. Chen, **"DeepInfer: Deep Type Inference from Smart Contract Bytecode"**, ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE), 2023. (软件工程领域 **CCF A 会议**)

9. S. Li, J. Li, Y. Tang, X. Luo, Z. He, **Z. Li**, X. Chen, Y. Bai, T. Chen, Y. Tang, Z. Liu, and X. Zhang, **"BlockExplorer: Exploring Blockchain Big Data via Parallel Processing"**, IEEE Transactions on Computers (TC), 2023. (计算机体系结构领域 **CCF A 期刊**)

10. Z. He, Z. Liao, F. Luo, D. Liu, T. Chen, and **Z. Li**, **"TokenCat: Detect Flaw of Authentication on ERC20 Tokens"**, IEEE International Conference on Communications (ICC), 2022. (计算机网络 **CCF C 会议**)

11. Y. Tang, **Z. Li**, and Y. Bai, **"Rethinking of Reentrancy on the Ethereum"**, DASC/PiCom/CBDCom/CyberSciTech, 2021.

12. T. Chen, **Z. Li**, X. Luo, X.Wang, T.Wang, Z. He, K. Fang, Y. Zhang, H. Zhu, H Li, Y Cheng, and X. Zhang, **"SigRec: Automatic Recovery of Function Signatures in Smart Contracts"**.

    - IEEE Transactions on Software Engineering (TSE), 2021. (软件工程领域 **CCF A 期刊，SCI 一区**)
    - Journal First Session of the IEEE/ACM International Conference on Automated Software Engineering (ASE), 2021. (软件工程领域 **CCF A 会议**)
    - Demo and Poster Session of the IEEE International Conference on Distributed Computing Systems (ICDCS), 2023. (计算机体系结构 **CCF B 会议**)

13. T. Chen, **Z. Li**, Y. Zhu, J. Chen, X. Luo, J. Lui, X. Lin, and X. Zhang, "**Understanding Ethereum via Graph Analysis**", ACM Transactions on Internet Technology (TOIT), 2020. (计算机网络领域 **CCF B 期刊**)

14. T. Chen, Y. Feng, **Z. Li**, H. Zhou, X. Luo, X. Li, X. Xiao, J. Chen and X. Zhang, **"GasChecker: Scalable Analysis for Discovering Gas-Inefficient Smart Contracts"**, IEEE Transactions on Emerging Topics in Computing (TETC), 2020. (**SCI 二区**)

15. T. Chen, Y. Zhang, **Z. Li**, X. Luo, T. Wang, R. Cao, X. Xiao, and X. Zhang, "**TokenScope: Automatically**

Detecting Inconsistent Behaviors of Cryptocurrency Tokens in Ethereum″, ACM Conference on Computer and Communications Security (CCS), 2019. (计算机安全领域四大顶级会议之一，**CCF A 会议**)

16. T. Chen, <u>**Z. Li**</u>, Y. Zhang, X. Luo, T. Wang, T. Hu, X. Xiao, D. Wang, J. Huang, and X. Zhang, ″**A Large-Scale Empirical Study on Control Flow Identification of Smart Contracts**″, International Symposium on Empirical Software Engineering and Measurement (ESEM), 2019. (**软件工程领域 CCF B 会议**)

17. T. Chen, <u>**Z. Li**</u>, Y. Zhang, X. Luo, A. Chen, K. Yang, B. Hu, T. Zhu, S. Deng, T. Hu, J. Chen, and X. Zhang, ″**DataEther: Data Exploration Framework For Ethereum**″, IEEE International Conference on Distributed Computing Systems (ICDCS), 2019. (**计算机体系结构领域 CCF B 会议**)

18. T. Chen, <u>**Z. Li**</u>, H. Zhou, J. Chen, X. Luo, X. Li, and X. Zhang, **″Towards Saving Money in Using Smart Contracts″**, IEEE International Conference on Software Engineering (ICSE-NIER), 2018. (**软件工程领域 CCF A 会议**)

19. T. Chen, Y. Zhu, <u>**Z. Li**</u>, J. Chen, X. Li, X. Luo, X. Lin, and X. Zhang, **″Understanding Ethereum via Graph Analysis″**, IEEE International Conference on Computer Communications (INFOCOM), 2018. (**计算机网络领域 CCF A 会议**)

20. T. Chen, X. Li, Y. Wang, J. Chen, <u>**Z. Li**</u>, X. Luo, M. Au, and X. Zhang, **″An Adaptive Gas Cost Mechanism for Ethereum to Defend Against Under-Priced DoS Attacks″**, International Conference on Information Security Practice and Experience (ISPEC), 2017.

杂项

- 个人主页： https://zzzihao-li.github.io/
- 谷歌学术主页： https://scholar.google.com/citations?user=B-Vg8FYAAAAJ