

Shuo Yang

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EDUCATION

- Ph.D. SSE, Sun Yat-sen University, Zhuhai, China, advised by Prof. Dr. Zibin Zheng and Dr. Jiachi Chen, 2022-Now
- B.M. Information Management and Information System, Zhongnan University of Economics and Law, Wuhan, China, 2018-2022

RESEARCH AREAS

Smart Contracts, Emperical Study, Program Analysis and Testing, NFT (non-fungible token), Web3

PUBLICATIONS

- 2024 S. Yang, J. Chen, M. Huang, Z. Zheng, and Y. Huang. “Uncover the Premeditated Attacks: Detecting Exploitable Reentrancy Vulnerabilities by Identifying Attacker Contracts.” In: *2024 IEEE/ACM 46th International Conference on Software Engineering (ICSE)*. Los Alamitos, CA, USA: IEEE Computer Society, Apr. 2024, pp. 912–912. URL: <https://doi.ieeecomputersociety.org/> (**CCF-A**)
- 2023 Shuo Yang, Jiachi Chen, and Zibin Zheng. “Definition and Detection of Defects in NFT Smart Contracts.” In: *Proceedings of the 32nd ACM SIGSOFT International Symposium on Software Testing and Analysis*. ISSTA 2023. Seattle, WA, USA: Association for Computing Machinery, 2023, pp. 373–384. ISBN: 9798400702211. DOI: 10.1145/3597926.3598063. URL: <https://doi.org/10.1145/3597926.3598063> (**CCF-A**)
- 2023 Dan Lin, Jiajing Wu, Qishuang Fu, et al. *Towards Understanding Crypto Money Laundering in Web3 Through the Lenses of Ethereum Heists*. 2023. arXiv: 2305.14748 [cs.CR]
- 2022 Shuo Yang, Huizhong Li, and Zibin Zheng. “WaLi: Control-Flow-Based Analysis of Wasm Smart Contracts.” In: *Blockchain and Trustworthy Systems*. Ed. by Davor Svetinovic, Yin Zhang, Xiapu Luo, Xiaoyan Huang, and Xingping Chen. Singapore: Springer Nature Singapore, 2022, pp. 322–335. ISBN: 978-981-19-8043-5

AWARDS

- 2023 1st prize of China Service Computing Innovation Contest
- 2023 8th Place at Numen Cyber CTF (Capture-The-Flag)
- 2021 3rd Prize of Competition of Service Outsourcing and Entrepreneurship Innovation
- 2021 3rd Prize of Chinese Undergraduate Internet Software Design Competition

- 2020 3rd Prize of Competition of Service Outsourcing and Entrepreneurship Innovation
2019 2nd Prize of Chinese Undergraduate Computer Design Contest

INTERNSHIP EXPERIENCES

- Aug.2023-Jan.2024 Antgroup Light Year Lab, Ant Group, Ant Group, Hangzhou, China
Oct.2021-Jan.2022 Blockchain Underlying Platform R&D Department, WeBank, Shenzhen, China
Jul.2021-Aug.2021 Backend Development Department, YGSOFT Inc, Wuhan, China

SERVICE

Program Committee Member

International Conference on Blockchain and Trustworthy Systems (Blocksys), 2023

Sub-reviewer

- IEEE Internet of Things Journal (IoTJ)
IEEE Transactions on Network Science and Engineering (TNSE)
IEEE International Conference on Collaborative Computing (CIC)
Blockchain: Research and Applications (BCRA)
IET Control Theory & Applications (CCTA)

INVITED TALKS

- 2024 Symposium by CCF Software Engineering Committee, Virtual
2023 The ACM SIGSOFT International Symposium on Software Testing and Analysis (ISSTA '23),
Seattle, USA
2022 International Conference on Blockchain and Trustworthy Systems 2022 (BlockSys'22),
Chengdu, China

SKILLS

- English GRE 321 + 4.0, IELTS 7.0, CET-6 566, CET-4 626
Programming Python, Solidity, C/C++, Java, JS, Rust, Stata
Developing SpringBoot, Vue, Django, Applet, Android
Deep Learning PyTorch, TensorFlow