Libin Xia

M.S. Student

Blockchain Research Center, School of Computer Science, Peking University.
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EDUCATION

Peking University, Beijing, China — Sept. 2022 — Present
Master of Science: Computer Software and Theory (advisor: Prof. Zhong Chen)

Shanghai Jiao Tong University, Shanghai, China — Sept. 2018 — Jul. 2022
Bachelor of Science: Information Security — GPA: 3.90/4.30

RESEARCH INTERESTS

- **Security & Privacy of Web3 systems**: Decentralized Identity, Anonymous Credential, Cross-Chain System.

- **Applied Cryptography**: Zero-knowledge Proofs, Group & Ring Signature, Verifiable Secret Sharing.

- **Blockchain-Oriented Software Engineering**: Domain Specific Language.

PUBLICATIONS

Conference paper

- **CRYPTCODER: An Automatic Code Generator for Cryptographic Tasks in Ethereum Smart Contracts.**
  Libin Xia, Jiashuo Zhang, Che Wang, Zezhong Tan, Jianbo Gao, Zhi Guan, Zhong Chen.
  The 31st IEEE International Conference on Software Analysis, Evolution and Reengineering (**SANER'24**), 2024.

- **DIDAPPER: Practical and Auditable On-Chain Identity Service for Decentralized Applications.**
  Libin Xia, Jiashuo Zhang, Xihan Zhang, Yue Li, Jianbo Gao, Zhi Guan, Zhong Chen.
  The 5th IEEE International Conference on Decentralized Applications and Infrastructures (**IEEE DAPPS'23**), 2023.

Journal paper

- **A Sharding Blockchain-based UAV System for Search and Rescue Missions.**
  Xihan Zhang, Jiashuo Zhang, Jianbo Gao, Libin Xia, Zhi Guan, Hao Hu, Zhong Chen.
  Frontiers of Computer Science (**FCS'24**), 2024.

AWARDS

- Outstanding graduates of Shanghai Jiao Tong University, Shanghai Jiao Tong University, 2022

- The Second Prize of Shanghai Jiao Tong University Scholarship, Shanghai Jiao Tong University, 2020

- The Third Prize of Shanghai Jiao Tong University Scholarship, Shanghai Jiao Tong University, 2019

TEACHING EXPERIENCES

- Introduction to Information Security (Undergraduate), TA, Fall 2022

SKILLS

- **Programming:** Python, Solidity, JavaScript, C++, Circom, Zokrates.