

LINKE LI

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RESEARCH INTERESTS

Having focused on compiler security, I now aspire to broaden my expertise by researching diverse aspects of software engineering. I am interested in using software tools to make it easier to develop correct and efficient software.

EDUCATION

Nanjing University

2021-2024

Master Student in Computer Science, advisor : Professor Bing Mao

Xi'an Jiaotong University

2017-2021

Bachelor's Degree in Computer Science

GPA:3.57(86.35/100)

PROJECTS

Compiler Introduced Bugs Detection

May 2022 - July 2023

- We propose a novel detection technique based on LLVM's debug information system, which can efficiently identify security vulnerabilities introduced by compilers in the target program before and after compiler optimization.

PUBLICATIONS

Silent Bugs Matter:A Study of Compiler-Introduced Security Bugs

- Jianhao Xu, Kangjie Lu, Zhengjie Du, Zhu Ding, **Linke Li**, Qiushi Wu, Mathias Payer, Bing Mao
- In Proceedings of The 32nd USENIX Security Symposium (Security'23).

ACHIEVEMENTS

Second Prize in College Student Mathematical Contest(Non-Mathematics Category)

December 2020

Excellent Student of Xi'an Jiaotong University

November 2019

First Prize in Xi'an Jiaotong University Mathematical Modeling Competition

May 2019

Third Prize Scholarship of Xi'an Jiaotong University

2018,2019,2020

SKILLS

Programming Tools

C/C++, Python, LLVM, Static analysis
ghidra, git, Docker