

Lixin Jiang

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EDUCATION

2018 - 2022 B.Eng. in Computer Science at **Northeastern University** (GPA: 88.43/100)
Qinhuangdao, China

RESEARCH INTEREST

My main interests are binary exploitation(especially V8 exploitation), vulnerability discovery and automated program analysis. Besides, I'm obsessed with programming to achieve some amazing ideas.

PROJECTS

(C++11)Lox language interpreter

[Link to Project](#)

Two implementations of Lox Interpreter

- The tree walker traverse the whole AST to excute the program.
- The bytecode eater compile the AST to bytecode and then the VM interpret the bytecode to excute the program. It also has a simple garbage collector.

(C)A tiny kernel

[Link to Project](#)

A kernel launched by kvm

- The kernel has some basic syscalls and a simple filesystem.
- It also has a simple libc and shell which are used to test the kernel.

SKILLS

Program Languages C, C++11, python, x86/x64 assmbly language

CTF player linux userspace and kernel exploitation, V8 exploitation, chrome mojo exploitation

HONORS & AWARDS

National College Student Information Security Contest 2020 - 2021

Second Class Prize(2%, 46/2136)

Specialty Scholarship

2018

Northeastern University

Specialty Scholarship

2020

Northeastern University

REPORTED BUGS

- **Mplayer**

CVE-2022-38858, CVE-2022-38860, CVE-2022-38861