

# Lixin Jiang

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## EDUCATION

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

## WORK EXPERIENCE

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**Huanyu technology Ltd.**

Software Engineer

**Tianjin, China**

2022 -2024

## RESEARCH INTEREST

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I am interested in all the underlying knowledge of computer science and engineering, but I mainly focus on system security. and I hope to apply the computer knowledge I have learned in practical engineering projects.

## PROJECTS

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**(C++11)Lox language interpreter**

[Link to Project](#)

Two implementations of Lox Interpreter

- The tree walker traverse the whole AST to execute the program.
- The bytecode eater compile the AST to bytecode and then a VM is used to run all bytecode . It also has a simple garbage collector.

**(C)A tiny kernel**

[Link to Project](#)

A toy 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.

**(C)Nemu**

An i386 emulator

- This is the assignment of Fundamental of Computer System course of NJU.
- Implement an i386 emulator including: the decoding and execution of i386 instructions, MMU, IO, etc

## SKILLS

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Program Languages C, C++11, python

CTF player debugging and reverse engineering tools: GDB and IDA pro; linux userspace exploitation; V8 exploitation

## AWARDS

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**National College Student Information Security Contest**

2020 & 2021

Second Class Prize

## USELESS BUGS

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- **Mplayer:** CVE-2022-38858, CVE-2022-38860, CVE-2022-38861