

LIU Xuebao

Career Objective: Software Development Engineer

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Educations

2013.09-Now	Institute of Computing Technology, Chinese Academy of Sciences	Computer Architecture	M.E
2009.09-2013.06	Beijing University of Posts and Telecommunications	Communication Engineering	B.E.

Skills

- Good at C/C++. Strong knowledge of data structures and algorithms
- Familiar with Linux Programming Environment and ELF (Executable and Linkable Format)
- Knowledge of Linux kernel and computer architecture
- Knowledge of popular security vulnerabilities and countermeasures
- A good command of reading and written English.

Projects

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|--|--|---------------------|
| 2014.12-Now | Windows Virus Evasion | Group Leader |
| <ul style="list-style-type: none">• Designed and implemented framework of Windows Virus Evasion.• Designed and implemented PE parser and packer. | | |
| 2014.04-2014.07 | Control Flow Integrity | Core Member |
| <ul style="list-style-type: none">• Involved in the design of the CFI system solutions.• Designed and implemented ELF parser and code cache manager.• According to related papers, explore possible ways to collect the targets of indirect control transfer instructions. | | |
| 2014.02 -2014.03 | A dynamic binary translator from X86/Linux to Loongson/Linux) | |
| <ul style="list-style-type: none">• Designed and implemented signal related system call emulation.• Passed 15 signal related test cases in LTP (Linux Test Project). | | |
| 2013.07-2013.09 | Optimization of Gem5 (ARMV8/Linux to X86/Linux) | |
| <ul style="list-style-type: none">• Designed and implemented translation of ARMV8 instructions.• System test and debug with SPEC 2000/2006 | | |

Awards

- 2014** Undergraduate Scholarship in University of Chinese Academy of Sciences
- 2011** Second-grade scholarship in Beijing University of Posts and Telecommunications
- 2014** Excellent Student in University of Chinese Academy of Sciences
- 2011** National Encouragement scholarship
- 2012** Third-grade scholarship in Beijing University of Posts and Telecommunications
- 2011** Second-grade scholarship in Beijing University of Posts and Telecommunications
- 2011** Excellent Student in Beijing University of Posts and Telecommunications

Others

- Self-Confidence, High sense of responsibility, Hardworking, Optimism.