

Yuxuan Chen

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Personal Profile

I am a student enrolled in the VUsec computer security program, where I am currently engaged in research on microarchitecture security. My interests span a wide range of security topics, including fuzzing, system security, and more. The rigorous courses offered by VUsec are known for their difficulty, often pushing students to their limits (drive students to the brink of insanity). Fortunately, I have successfully completed core courses such as Binary Analysis and Malware, Software Security, and Hardware Security.

In 2018, I began using Linux on my laptop and developed an interest in computer security. The following year, I joined the IT center and worked as an operations and maintenance engineer. My campus was located in Weihai, a city in Shandong Province. Initially, I pursued studies in the Accounting and Finance track, but switched my major to Computer Science during my second year for various reasons.

Home page: <https://r3c0nb4.github.io>

Blog site: <https://r3c0nb4.github.io/siteblog>

Education

Vrije University Amsterdam

Netherlands

MSc in Computer Security

Sept 2022 - Current

- **Research:** Microarchitecture security
- **Courses:** Binary analysis and malware, Hardware security, Software security, Storage system, System seminar

Beijing Jiaotong University

China

Bachelor in Computer Science

Sept 2017 - May 2021

- Worked as operations and maintenance engineer in IT center
- Contribute to Computer vision research

Experience

Qianxin

Shanghai, China

Internship

- I conducted tests on various client websites and honed my skills in web penetration testing.
- Deploying the security products is another job for us, normally, we have to deploy honeypot, Jumpserver, IDS for our clients.
- Sometimes, we also use scanners to scan the assets of clients.
- There is also a Web scanner developed by Qianxin, it scans the clients' Web applications continuously, However, the scanner is not reliable, in many cases the alerts are wrong, then we need to figure out if the application has security issues, or it is just an error

Skills

Microarchitecture analysis Spectre, Meltdown, Microarchitecture data sampling

Binary analysis Reverse engineering, symbolic execution, taint dynamic analysis

Binary exploitation(pwn) ret2libc, ret2text, heap exploitation...

Others Linux, programming languages(C, python), K8S, docker...