

# QIU XIA XIE

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## 🎓 EDUCATION BACKGROUND

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**Chengdu University of Information Technology, Major in Information Security** 2022 – Present

*College of Cyberspace Security*

*Undergraduate student*, expected to graduate in June 2026

*GPA*: 3.77 (Top 3 in the major)

*Language*: CET-6

*Relevant Courses*:

- Advanced Office Applications (85+)
- Mathematical Foundations of Information Security (98)
- Applied Cryptography (89)
- Engineering Practice 3 (Comprehensive Design Training for Cryptography) (90+)
- Engineering Practice 2 (Comprehensive Training in Network Security Basics) (90+)
- Web Application Development Technology (PHP) (90+)
- STEM Global Competence Development: Enhancing Management Communication Skills (90+)
- .....

*Related Experience*:

- Outstanding Student Leader of the Academic Year 2022-2023
- First Prize of the 21st May Day Modeling Competition 2024
- Third Prize in the “21st Century Cup” English Speech Competition
- Assistant Team Leader for the 31st Summer Universiade Television Broadcasting
- Excellent Award for “Outstanding Reading Notes” in the Academic Year 2022-2023
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## 👥 INTERNSHIP/PROJECT EXPERIENCE

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**Nanjing Saining Information Technology Co., Ltd.**

July 2024 – October 2024

*Security Intern*

- Participated in the Nanjing Cyber Security Initiative, reproduced and analyzed vulnerabilities, and wrote 18 POC reports;
- Involved in Java code auditing, reviewed RBAC and OAsys systems, identifying issues such as privilege escalation, SQL injection, and XSS;
- Studied the principles of malware evasion, understanding the operational mechanisms of common antivirus software.

**Development of RSA Algorithm-based File Encryption and Decryption Tool** March 2024 – June 2024

*Java* Personal Project

- Designed and implemented a file encryption and decryption tool that supports encryption for both English and Chinese text;
- Optimized the encryption algorithm by adopting block encryption and fast exponentiation techniques to improve performance;
- Project link: <https://github.com/AiorcaLin/RSA-encryption-and-decryption-tool>

**Function Testing of Image Recognition Smart Guide System** September 2023 – December 2023

*C++* Innovation Project

- Tested the system's GPS positioning module, language recognition module, voice module, obstacle detection module, and route planning module in real-world environments;
- Software copyright certificate x1 - Image Recognition Smart Guide System v1.0.

## **Research on Scalable Video Encryption Algorithms for SHVC**

March 2024 – Present

C++ Innovation Project

- School-level project initiated in March 2024
- Provincial-level project initiated in June 2024

## **Super2048!**

March 2023 – June 2023

C Language Personal Project

- Added three new modes: Time Challenge, Devour Mode, and Endless Mode to the classic version;
- Implemented a colorful interface;
- Project link: <https://github.com/AiorcaLin/Super2048->

## ORGANIZATION/CLUB EXPERIENCE

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### **Assistant Team Leader for the 31st Summer Universiade Television Broadcasting** June 2023 – September 2023

*Team Leader*

- Organized personnel training on the related rules and precautions of the Universiade;
- Handled emergency issues and coordinated personnel.

### **Party Service Center of the College of Cyberspace Security**

August 2023 – August 2024

*Party Activist*

- Participated in the preparation party member defense;
- Evaluated outstanding reading notes;
- Planned Qingming Festival tomb-sweeping activities.

## IT SKILLS

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- Programming Languages: Java > C == Python > PHP > C++ == Assembly Language (Intel IA-32)
- Web Penetration Testing and OSINT
  - Familiar with penetration testing processes and capable of reproducing vulnerabilities;
  - Proficient in common web penetration tools: Burp Suite, Wireshark, Dirsearch, etc.;
  - Understanding of common web vulnerabilities, their principles, hazards, and common handling methods in Java: privilege escalation, SQL injection, XSS, etc., with certain code auditing capabilities;
- Reverse Engineering and Cryptography
  - Familiar with the usage of IDA and Ghidra;
  - Understanding of common and uncommon cryptographic algorithms, able to write encryption and decryption scripts: RSA, AES, DES, 3DES, DH, MAC, MD, SHA, etc.

## OTHERS

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- Technical Blog: <https://aiorcalin.github.io/1/about/>
- GitHub: <https://github.com/AiorcaLin>
- MBTI: E-type
- Technically insightful, with a passionate pursuit of security technology and a willingness to remain focused and dedicated in the field of security.

- Proficient in using Word, PowerPoint, and other office software, with certain analytical data and report writing skills as well as rigorous written expression quality.
- Strong learning ability, such as completing assembly language in two days with a score of 80+ in the final exam.
- *Language*: CET-6

## ♡ ACKNOWLEDGMENTS

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Thank you for taking the time to read my resume. I look forward to the opportunity to work with you.