

Killian Zhou

GRC Student — Full-Stack developer — Part-time Ethical Hacker

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Summary

Committed cybersecurity student about ethical hacking and penetration testing, with a strong background in development for 9+ years. Possessing a certification in the field of penetration testing and hands-on experience through coursework, personal projects, and software development. Skilled in identifying and exploiting vulnerabilities, creating detailed reports, developing secure applications, and implementing effective security measures. I seek to apply my technical skills and knowledge in a professional setting to protect organizations from cyber threats while developing innovative software solutions.

Skills

- Network security | Cryptography | Risk management | Compliance | Incident response | Penetration testing | Vulnerability management | Access control | IAM | DRBCP | Security architecture and design | DLP | Security operations and monitoring | Cloud security | Cyber threat intelligence
- Python | TypeScript | JavaScript | MongoDB | MSSQL | Node | Express | React | NextJS | Git | Bash | Regex | C++ | C# | .NET | C
- GCP | Azure | Cloud Computing | Docker | CI/CD | Unit Testing | Lambda | Jest | OOP | Design Patterns
- Windows | MacOS | Linux | Frontend | Backend | Full-Stack | G-Suite | Office Suite | English, French

Relevant Projects

IS Hardening - Debian - MySQL

- Heeded OWASP recommendations to create a secure web CRUD app at the head of a team of 3.
- Architected and installed a secure server and internal network including firewall - server - database.
- Hardening and compliance with ANSII, NIST, and CIS recommendations.

Opci - Python - AES - RSA - Javascript - ElectronJs - TailwindCSS - MongoDB - MSSQL

- Programmed a python backend software for end-to-end encrypted file sharing in 3 weeks.
- Led a team of 6 people and guided the development of an ElectronJs user interface.
- Researched and implemented RSA-AES encryption technique.

Related Experiences

2022 - 2023 : Full-Stack Developer at Brainsecurity

- Designed, developed, and maintained the company's *NextJs typescript* platform for training businesses on cybersecurity awareness currently used by more than 1000 users among five Europe-wide companies.
- Overhauled 90% of the old web app to a new version operating on modern authentication frameworks, using *python script* automation.
- Devised and secured the company's administrative application to prevent unauthorized traffic and sensitive information disclosure of thousands of users.

2019 - 2022 : Developer at SEPEFREI Junior Enterprise

- Built multiple types of *javascript web apps* and *python scripts* in critical situations with short deadlines for clients.
- Adapted and learned with agility regarding each technology and project to fit the client's environment.
- Accomplished over 15 000€ of turnover and led to rank among the top 30 national junior enterprises.

Courses & Certifications

2023 - **Offensive Security Certified Professional (OSCP)** - Ongoing

2022 - **Practical Network Penetration Tester (PNPT)**

Education

2022 - 06/2024 : **Master in IS Cybersecurity and Governance** at EFREI Paris Engineering School.

2022 - **Business, Computing, and Engineering** - Study Abroad Semester at APU Kuala Lumpur.

2019 - 2022 : **Bachelor of Engineering Science** at EFREI Paris Engineering School.

2019 - **Baccalaureate in Science (with Honours)** - Specialty in IT & Computer Science.