Killian Zhou

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

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Relevant Projects

IS Hardening - *Debian - MySQL - Azure*
- Followed OWASP guidelines to build a secure web CRUD application as the leader of a team of three developers.
- Set up four secure cloud servers and internal network infrastructure, including firewalls, web servers, and databases, to ensure the confidentiality, integrity, and availability of sensitive data.
- Conducted regular security audits and implemented the latest security patches to keep the system up-to-date, increasing global system safety by 60%.

Opci - *Python - AES - RSA - Javascript - ElectronJs - TailwindCSS - MongoDB - MSSQL*
- Developed a python-based backend software for secure and encrypted file sharing in just three weeks. Used the latest encryption techniques, including AES and RSA, to ensure end-to-end security for all file transfers.
- As the leader of a team of six developers, directed the development of an intuitive and user-friendly ElectronJs interface.
- Conducted extensive research on encryption techniques and selected RSA-AES as the primary method for securing file transfers.

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.
- Conceived 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**
- Delivery of high-quality web apps and scripts with quick and efficient coding within tight deadlines, earning the trust and satisfaction of clients.
- Juggled the demands of college coursework while also satisfying the needs of 5 distinct clients over two years.
- Contribute to the success of SEPEFREI Junior Enterprise, helping to drive over 15 000€ in turnover and earn recognition as one of 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.*
Pertinent Courses: Secure Architecture, Risk management, Data Classification, Identity Access Management, IS Security, Endpoint Detection and Response, Network Security, Security operations and monitoring, Cloud security
2022 - **Business, Computing, and Engineering** - Study Abroad Semester at *APU Kuala Lumpur.*
2019 - 2022 : **Bachelor of Engineering Science** at *EFREI Paris Engineering School.*

Awards

06/2022 : **Google Cloud Hackathon for climate change** : Top 10 national
- Revolutionized email sustainability with a cutting-edge IT solution resulting in a significant decrease of over 75% in carbon emissions.
- Delivered a compelling presentation to executives from esteemed companies including Thales and LVMH.