

Sophie Muller

Paris, France

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Education

École Polytechnique

MSc in Computer Science, Specialization in Cybersecurity

Sep 2020 – Jun 2022 | Paris, France

GPA: 18.5/20

Activities: CTF Team Captain, Cybersecurity Research Assistant, Women in Tech Mentor

Relevant Coursework: Network Security, Cryptography, Secure Systems Architecture, Vulnerability Assessment, Malware Analysis, Ethical Hacking, Digital Forensics, Secure Software Development

Exchange Program: ETH Zurich 2021 (Grade: 5.9/6.0)

Work Experience

Security Engineer | BNP Paribas | Jul 2022 - Present | Paris, France

- Conducted security assessments and penetration testing for banking applications, identifying and resolving 20+ critical vulnerabilities.
- Implemented security monitoring solutions using Splunk and Elastic Stack, improving threat detection time by 75%.
- Developed secure coding guidelines and conducted training sessions for 100+ developers.

Cybersecurity Intern | Orange Cyberdefense | Jan 2022 - Jun 2022 | Paris, France

- Performed vulnerability assessments and security code reviews for client applications.
- Assisted in incident response for ransomware attacks, contributing to full recovery for 3 major clients.
- Researched and documented emerging threats and attack vectors for internal knowledge base.

Skills

Security: Penetration Testing, Vulnerability Assessment, SIEM, Security Architecture, Incident Response, Threat Modeling

Programming: Python, C, Go, Bash, PowerShell

Networking: TCP/IP, Firewalls, VPNs, IDS/IPS, DNS, HTTP(S)

Tools: Metasploit, Burp Suite, Wireshark, Nmap, Kali Linux, OWASP ZAP

Compliance: GDPR, PCI DSS, ISO 27001, SOC 2

Other: Cryptography, Secure Development Lifecycle, Social Engineering, Digital Forensics, Reverse Engineering

Certificates

Offensive Security: OSCP (Offensive Security Certified Professional)

ISC2: CISSP (Certified Information Systems Security Professional)

GIAC: GPEN (GIAC Penetration Tester)

Awards

1st Place - European Cybersecurity Challenge 2022

Winner - International Capture The Flag Competition 2021

Best Research Paper - French Cybersecurity Conference