Maria Lopez

Madrid, Spain

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Education

Complutense University of Madrid

Master of Science in Cybersecurity

Sep 2019 – Jun 2021 | Madrid, Spain

GPA: 9.6/10.0

Activities: Cybersecurity Research Lab, CTF Team Captain, Security Conference Organizer

Relevant Coursework: Network Security, Ethical Hacking, Malware Analysis, Cryptography, Digital Forensics, Secure Development, Security Operations, Incident Response

Bachelor's Degree: B.Sc. in Computer Engineering, Polytechnic University of Valencia, GPA: 9.3/10.0

Work Experience

Security Engineer | Telefónica | Jul 2021 - Present | Madrid, Spain

- Led security operations team protecting network infrastructure serving 300M+ customers globally.

- Implemented Security Information and Event Management (SIEM) solution processing 50,000+ events per second.

- Conducted penetration testing and vulnerability assessments reducing security incidents by 65%.

- Developed automated threat hunting tools leveraging machine learning to detect advanced persistent threats.

Skills

Security: Penetration Testing, Vulnerability Assessment, Security Architecture, Red Teaming, Blue Teaming

Tools: Kali Linux, Metasploit, Burp Suite, Nessus, Wireshark, Splunk, QRadar, Carbon Black

Network Security: Firewalls, IDS/IPS, VPN, NAC, DLP, Zero Trust Architecture

Application Security: OWASP Top 10, Secure Coding, SAST/DAST, API Security, Web Application Firewalls

Infrastructure: Cloud Security, Container Security, Endpoint Protection, Identity Management

Incident Response: Digital Forensics, Malware Analysis, Threat Hunting, Security Orchestration

Other: Risk Assessment, Compliance, Security Awareness, Security Governance, Cryptography

Certificates

Certified Information Systems Security Professional (CISSP)

Offensive Security Certified Professional (OSCP)

GIAC Certified Incident Handler (GCIH)

Certified Ethical Hacker (CEH)

Awards

Cybersecurity Professional of the Year – Spanish Cybersecurity Association 2023

Top 50 Women in Cybersecurity – European Cybersecurity Magazine 2022

First Place – HackMadrid CTF Competition 2021