MAURO DE LOS SANTOS NODAR

New York City, NY **|** mad9958@nyu.edu **|** +1 (347) 397-1245 **|** maurodelossantos.com **|** Linkedin **|** Github

EDUCATION

New York University, New York, NY   **Sep 2022 – May 2024**
- **MS in Cybersecurity**. GPA: 4.0. Considered by NSA as one of the National Centers of Academic Excellence in Cybersecurity (NCAE-C). Cyber Defense concentration. *Relevant Coursework:* NetSec, AppSec, OffSec, CloudSec, Blockchain and Pentesting.

Universidade da Coruña, A Coruña, Spain   **Sep 2016 – Jul 2022**
- **MS in Cybersecurity**. GPA: 3.85. Top 1%. *Relevant Coursework:* Crypto, Forensics, MobileSec, Malware Analysis, InfoSec, and Law.
- Bachelor of **Engineering in Computer Science**. GPA: 3.52. Honors (+15). Top 5%. Double major in Info. Tech., and Comp. Eng.

EXPERIENCE

Security Engineer Intern, Addepar, New York, NY   **May 2023 – Aug 2023**
- Deployed **serverless and flow-driven** architecture to AWS using Terraform Cloud and GitOps.
- Implemented Python code that utilized cross-account AWS role assumption, *boto3*, and cloud-native data stores.
- Leveraged ECS, ECR, and Docker in conjunction with Terraform for **CloudSec** operations.
- Successfully integrated GitHub Actions, Lambda Functions, and IAM permissions for designing **scalable and resilient solutions**.

AppSec & ISSEM Teaching Assistant, NYU, New York, NY   **May 2023 – Now**
- Addressed key **App Security** areas: BOFs, WebAppSec, Orchestration, MobileSec for hands-on student experience.
- Created Python assignments enhancing security aspects and ensuring students gained practical skills in **secure coding** practices.

Security Engineer Intern, Luckia Gaming Group, Spain   **Sep 2019 – Dec 2019**
- Conducted **Vulnerability Analysis and Penetration Testing** on over 25 company devices, identifying and addressing security flaws such as SQLi, XSS, XXE, SSRF, or CSRF using tools such as Metasploit, sqlmap, Burp, or OWASP Zap.
- Secured **Network Infra.** by addressing security flaws in Cisco devices such as ARP Spoofing, DNS poisoning, or *WiFi Cracking*.
- Led the establishment of Port Security, IP/DNS Sec, IDS/IPS, or DHCP Snooping utilizing tools like scapy or aircrack-ng frameworks.
- Effectively conducted **Security Management** audits and wrote reports on the results obtained.

PROGRAMMING LANGUAGES AND TECHNOLOGIES

- Proficient: Python, Git, AWS, Terraform, Jira, Java, C, Blockchain, and UNIX systems.
- Intermediate: Docker, Kubernetes, Assembly, Databases (SQL), Networks, OS, mobile, and web programming.

CERTIFICATIONS AND TECHNICAL EXPERIENCE

Certifications
- **Certified in Cybersecurity**: CC (ISC)2. Associate of *(ISC)2*.   **Dec 2022**
- **Introduction to AWS** and **Using Terraform to Manage Applications and Infrastructure** from *ACG* (A Cloud Guru).   **May 2023**

Club Memberships
- **OSIRIS (Offensive Security, Incident Response, and Internet Security Lab)**   **Sep 2022 – Now**
  Designed, implemented, and tested cybersecurity **CTF** challenges. Participated in **CTF** competitions. Co-organized **CSAW** events.

Sample of Personal Projects   **More projects available on my *website***
- Researched **[I]IoT**, deployed **Elastiflow**, studied **QR-Codes security**, and created a **Twitter bot** using Python and AWS Lambda.

PUBLICATIONS AND HONORS

Publications
- ***COVID-19 Blockchain Digital Vaccination Passport With Its Own Cryptocurrency and Mobile App for Its Use***.   **Oct 2021**
  Identified the current society's needs and designed, implemented, and built a disruptive COVID-19 passport system based on ETH Blockchain with a mobile app for its use and its own cryptocurrency as a reward. Presented at the **IV Xovetic** Congress.

Honors
- **Barrie Foundation '22 Fellowship**: Awarded with one of the ten nationwide fellowships based on academic excellence.
- **Deloitte '22 CyberArena**: Addressed and resolved security flaws in a Windows Active Directory infrastructure. Top 10 Spain.
- **Best '21 Open Source Final Undergraduate Project**: Prioritized the Open Source design and nature of my publication.

LANGUAGES

- **Spanish and Galician** (Bilingual Proficient), **English** (Professional Proficient), and **Portuguese** (Familiar).