

Moises Zuniga

973-508-4085 | mz397@njit.edu | linkedin.com/in/moises-zuniga | github.com/Moises-ITS | Nutley, NJ

EDUCATION

New Jersey Institute of Technology

Newark, NJ

Bachelor of Science in Computer Science (GPA: 3.5)

Jan. 2026 – Dec. 2029

- Relevant Coursework: Introduction to Python, Introduction to Object-Oriented Programming, Physics I & II, Calculus I & II

NJIT Cyber Security Bootcamp

Newark, NJ

Certificate of Completion

Jan. 2025 – Dec. 2025

- Certifications: CompTIA Network+, NJIT Cyber Security Certificate, CompTIA Security+ (In Progress)
- Relevant Coursework: Bash & Powershell Scripting, SIEM Operations, Digital Forensics, Secure Networking, DevOps, Penetration Testing

EXPERIENCE

IT Assistant

Sep. 2024 – Dec. 2024

NJIT Civil Engineering

Newark, NJ

- Resolved 25+ weekly Tier 1 support tickets with a 95% first-contact resolution rate across Windows hardware, software, and networking issues.
- Diagnosed and repaired 15+ critical office devices, reducing average hardware downtime by 20%.
- Managed an inventory of 40+ assets valued at \$15k+, streamlining deployment of 10+ workstations and cutting setup time by 30%.
- Maintained 99.9% network uptime by troubleshooting LAN connectivity, IP configuration, and physical cabling for 50+ network drops.

PROJECTS

SIEM SOC Lab Exploration | Wazuh, Kali Linux, Windows Server, Ubuntu

Feb. 2025

- Built a multi-VM SOC lab monitoring 150+ security events in real time across heterogeneous operating systems.
- Configured centralized log ingestion with custom rules and decoders to detect 15+ security use cases including firewall activity and suspicious commands.
- Implemented automated alerting and Kibana dashboards, improving threat visibility and incident response speed by 40%.

Full-Stack Secure Password Manager | Python, Flask, BCrypt, Bootstrap

Oct. 2025

- Developed a secure password manager with 3-layer MFA (password, email token, TOTP), reducing unauthorized access risk by ~90%.
- Implemented bcrypt hashing, rate limiting, and timed lockouts to mitigate brute-force attacks by 80%.
- Designed a responsive Bootstrap UI with 6+ user-facing pages to improve usability and workflow efficiency.

Network Port Scanner | Python, Nmap, Flask

Nov. 2025

- Engineered a web-based workflow for server-side scanning and downloadable reports using python-nmap.
- Optimized Nmap execution to reduce scan time by ~40% while maintaining detailed service enumeration.
- Integrated multi-page Flask routing to visualize results and reduce manual CLI overhead by 70%.

Machine Learning Packet Analyzer | Scikit-Learn, XGBoost, Python

Dec. 2025

- Built a Scikit-Learn pipeline to preprocess 42 network features with full data leakage prevention.
- Optimized an XGBoost classifier with 500 estimators, reducing false positives by ~9% through learning-rate tuning.
- Applied stratified shuffle splitting across 257,000+ traffic logs to detect 30,600+ malicious instances.

TECHNICAL SKILLS

Cybersecurity: SIEM (Splunk, Wazuh), SOC Operations, Network Security, Packet Analysis, Port Scanning

Languages: Python, C, PowerShell, Bash, Java, SQL (SQLite), Spanish (Fluent)

Tools & Frameworks: Flask, NumPy, BeautifulSoup, Python-Nmap, Bootstrap, JSON, Cisco Packet Tracer

IT Operations: Workstation Configuration, LAN Troubleshooting, Windows Desktop Support