

Matthews Martinez

martinezmatthews01@gmail.com | (475) 283-8955 | [Notion](#) | [LinkedIn](#) | [GitHub](#)

EDUCATION

New Jersey Institute of Technology

B.A. in Information Technology.

Newark, NJ

Expected May 2027

Hudson County Community College

A.S. in Computer Science. August 2023 - December 2024.

Jersey City, NJ

PROJECTS

Network Infrastructure & Monitoring

- Designed and deployed a network infrastructure environment using pfSense, managed switching, Ubiquiti wireless infrastructure, and Linux.
- Configured DHCP, DNS, NAT, firewall rules, IP addressing, and VLAN-based network segmentation.
- Diagnosed wireless connectivity issues using RF interference, signal strength, and retransmission metrics.
- Created network topology diagrams, IP address documentation, and troubleshooting documentation.
- Developed Bash and Python automation scripts for network health checks using Nagios.

Cisco Routing & Switching Labs

- Built Cisco routing and switching topologies using VLANs, 802.1Q trunking, STP, EtherChannel, and inter-VLAN routing.
- Implemented OSPF and BGP routing in simulated network environments; analyzed routing tables and route advertisements in Cisco Packet Tracer.
- Troubleshoot connectivity issues involving VLANs, routing, addressing, and interface failures.

Linux & Infrastructure Automation

- Deployed and managed a Proxmox VE hypervisor running multiple services.
- Administered Linux-based services using SSH, system monitoring, network utilization, logs, and CLI tools.

EXPERIENCE

Automotive Technician Trainee

Sunoco

June 2024 - June 2026

Hoboken, NJ

- Performed hands-on diagnostic and maintenance tasks following established procedures and troubleshooting mechanical issues.
- Managed customer vehicle intake and valet parking operations.

Science Lab Assistant

Hudson County Community College

September 2023 - December 2024

Union City, NJ

- Set up, maintained, and sanitized lab equipment for chemistry and biology courses.
- Assisted students with experiments and ensured adherence to lab safety protocols.

SKILLS

Networking: TCP/IP, IPv4/IPv6, subnetting/CIDR, VLANs, DHCP, DNS, NAT, routing, switching, STP, EtherChannel, OSPF, BGP, network troubleshooting

Infrastructure: Cisco IOS, Ubiquiti, Linux, Proxmox VE, network hardware, Wireshark, Cisco Packet Tracer, pfSense

Scripting & Automation: Python, Bash, Git/GitHub

IT Support: Structured cabling

CERTIFICATIONS

- CCNA (In Progress)