

Andrea Toupin

Andrea@atoupin.com

(913) 378-3859

Website: atoupin.com

LinkedIn: www.linkedin.com/in/andreatoupin

Professional Summary

I am an Information Technology student at the University of North Florida with experience in network defense, system monitoring, and incident response. Through projects, competitions, and work experience, I have identified issues, detected risks, and found ways to fix them. I am excited to apply what I have learned and keep growing in a real-world environment.

Education

University of North Florida – Jacksonville, FL

Bachelor of Science in Information Technology | GPA: 3.84 December 2026

- Osprey Security Club 2025-present, Officer (Team captain) for 2026-2027
- UNF Running Club 2024-present, Officer 2025-2027

Florida State College at Jacksonville – Jacksonville, FL

Associate of Arts Degree | GPA: 3.9 (Graduated May 2023)

Technical Skills

Security & Networking: Network defense, threat detection, firewall configuration (pfSense, OPNsense, MikroTik), VPNs

Systems & Virtualization: Proxmox VE, Linux and Windows systems, virtual machines, basic system administration

General Skills: Troubleshooting, technical documentation, basic scripting in Python and Java, SQL querying

Competitions and Certifications

Collegiate Cyber Defense Competition (CCDC) | 2026

- Placed 3rd in Service Uptime
- Monitored and maintained enterprise systems during a live-fire simulation
- Helped identify issues and fix them in real time to keep services running
- Identified threats as they occurred and blocked them

National Center for Academic Excellence (NCAE) Cyber Games | 2026

- Most Valuable Teammate
- Defended MikroTik RouterOS infrastructure using advanced firewall rules and traffic monitoring in a team-based SOC environment
- Led incident response efforts to detect and neutralize simulated threats in real time

AI for Work & Life Certificate: University of North Florida

Experience

Analogix – Jacksonville, FL | January 2026 – Present

System Administration Internship

- Implemented network segmentation, firewall rules, and access controls to secure and isolate services
- Deployed a custom monitoring and logging stack (Prometheus, Grafana, Loki) to track performance, uptime, and availability
- Automated system tasks and deployments using scripting and CLI tools
- Troubleshoot issues across networking, containers, and web services in a distributed environment

Home Lab Infrastructure & Virtualization | 2026

- Built and segmented a home network with a custom router configuration for controlled security testing.
- Deployed Proxmox VE nodes from scratch, hosting Windows/Linux VMs; implemented firewall rules, access controls, and service hardening to simulate enterprise infrastructure

Philmont Scout Ranch – Cimarron, NM

Rayado Ranger | Summer 2025

- Selected for a competitive leadership role leading a 20-day advanced backpacking program
- Managed logistics, safety, and risk across multiple 150+ mile expeditions
- Worked closely with participants to build decision-making skills, resilience, and teamwork

Ranger | Summers 2023, 2024

- Led 19 high-adventure expeditions (7–12 days) with groups of up to 14 participants
- Applied risk management practices to maintain safety, resulting in zero incidents
- Taught outdoor skills and helped groups develop teamwork in challenging environments

Swimming Safari Swim School – Jacksonville, FL | 2021 – Present

Swim Instructor | Trainer | Front Desk Associate | Deck Manager

- Instruct 50+ students weekly (ages 2–adult), adapting coaching to different skill levels
- Handle scheduling, customer service, and conflict resolution in a fast-paced setting
- Maintain pool safety and respond quickly to issues as a deck manager (lifeguard)
- Help train new instructors and improve onboarding to make training more consistent

Leadership & Achievements

Eagle Scout: Scouting America (formerly Boy Scouts of America)

National Youth Leadership Training (NYLT): Advanced leadership training in communication, planning, and team development

Scout Troop Leadership Experience: Held roles including Senior Patrol Leader and Assistant Scoutmaster; led activities, mentored younger scouts, and worked closely with adult leadership