Anthony Tropeano
352.709.3931 **|** Ocala, FL, 34480
anthony@wedefendit.com **|** atropeano.com **|** github.com/iitoneloc

PROFESSIONAL SUMMARY

Cybersecurity and software engineer with experience in systems, networking, virtualization, automation, and full-stack development, delivering secure infrastructure and engineering solutions across academic, freelance, and entrepreneurial work.

EXPERIENCE

Founder & Security Engineer   **May 2025 – Current**
Defend I.T. Solutions, Ocala, FL
- Built a cybersecurity services company delivering secure remote support and on-site solutions.
- Deployed a production website to improve client trust and service onboarding.
- Performed virtualization-based Windows 10→11 migrations to enhance security without hardware upgrades.

Python Course Assistant   **November 2024 – Current**
University of Arizona, Remote
- Supported students in debugging Python code, resolving IDE issues, and improving assignment outcomes.
- Delivered 1:1 guidance that increased engagement and comprehension.
- Identified recurring issues and provided targeted explanations to reduce repeat errors.

Freelance Full-stack Developer   **March 2025 – April 2025**
Self-Employed, Remote
- Rebuilt a legacy Wix site with Next.js, TypeScript, and Tailwind for modern performance.
- Deployed to Vercel to increase speed, improve SEO, and eliminate hosting costs.
- Worked with the client to refine content and align design with branding.

    GitHub: *iitoneloc/petedejesse.com* | **Live Deployment:** *petedejesse.com*

Full-Stack Web Development Grader   **August 2021 – November 2023**
edX/2U, Remote
- Reviewed student code and provided technical feedback aligned with industry standards.
- Verified assignment integrity and documented plagiarism cases.
- Ensured consistent evaluation across evolving curriculum updates.

Project Manager   **May 2017 – December 2020**
Eco-Surfacing Foils | Vortex Plumbing, Ocala, FL
- Managed $1.5M+ renovation projects overseeing schedules, budgets, and client coordination.
- Introduced a GPS-based scheduling system that replaced paper workflows and improved dispatching.
- Updated company web presence to strengthen client perception.

SKILLS

Security: Linux, Firewalls, UTM, Defensive Programming, SIEM, IDS/IPS, NSM, Malware Analysis
Networking: Subnetting, Segmentation, VPNs, Firewalls, SDN
Languages: Python, JavaScript/TypeScript, C, Rust, HTML, CSS, SQL, NoSQL
Web: React, Vite, Tailwind CSS, Node.js, Heroku, Vercel, GitHub

EDUCATION

Dakota State University   **Expected Dec 2027**
Master of Science, Computer Science: Cyber Operations Emphasis

University of Arizona   **Expected Dec 2025**
Bachelor of Applied Science, Cyber Operations: Cyber Engineering Emphasis - GPA: 4.0
NSA Designated Cyber Operations Program Certificate (conferred with degree)

University of Central Florida   **August 2021**
UCF Coding Boot Camp: Full-Stack Web Development Certificate

AWARDS & RECOGNITION
- Outstanding Senior Award Nominee - University of Arizona Fall 2025
- Distinguished Undergrad Scholar - University of Arizona Fall 2025
- Dean's List with Distinction - University of Arizona (Spring 2024, Fall 2024, Spring 2025)
- Honorable Mention - University of Arizona (Fall 2023)
- Chancellor's List - Purdue University Global (Fall 2022, Winter 2022)
- President's List - Southern New Hampshire University (Winter 2021, Summer 2021, Fall 2021, Winter 2022)

PROJECTS

SAFE-PC | Python, Proxmox, OPNsense, Suricata, Unbound
- Automated conversion of x86_64 PCs into unattended SOHO security appliances, reducing setup time from ~2 hours to 15–47 minutes (60–87%).
  Repo: github.com/iitoneloc/safe-pc

Defend I.T. Solutions Website | Next.js, TypeScript, Tailwind CSS, Vercel Hosting
- Designed, built, and deployed a professional website for a cybersecurity services company.
  Live Deployment: www.wedefendit.com **| GitHub:** github.com/defendit/defendit

THREADS Kernel | C
- Implemented portions of an OS Kernel, including Scheduling, Inter-process Communication, System Calls, Clock Driver, and Disk I/O operations.
  GitHub: github.com/iitoneloc/threads-kernel

Dependability Tracker | Next.js, Express.js, MariaDB, Heroku
- Internal tool for tracking employee callouts.
- Demo Credentials: anthony@atropeano.com, d3MOmePlease!
  Live Deployment: dependability-tracker.atropeano.com
  GitHub: github.com/iitoneloc/dependability-tracker