

MATTHEW J. DUDLEY

m4ttthew.org

SUMMARY

Computer science and cyber operations double major with hands-on expertise in penetration testing, system hardening, vulnerability assessment, digital forensics, cryptography, reverse engineering, and secure software development. Proven instructor and technical lead with experience mentoring teams, developing cybersecurity curriculum, and leading a technical support team.

Python, C++, Java	Reverse Engineering & Scripting Automation	Wireshark
Vulnerability Assessment	Linux & Git for System Admin	Metasploit, Burp Suite
Effective Public Speaking	System Hardening Expertise	Digital Forensics Analysis
Ollama, vLLM	Proxmox Virtualization	Ghidra

PROJECTS

Jarvis – Personal AI Agent

- FastAPI agent backend with memory and approval-gated tools; works with Claude, OpenAI, Gemini, Groq, or Ollama.
- Web, Electron and Raspberry Pi voice clients; local wake word and speech-to-text; 53 test files plus evals.

Project Pareto – Open-Source EDR (Cyber RECon Defender Cup)

- Team Lead building an open-source Endpoint Detection and Response (EDR) system for a senior capstone competition.
- Testing how far a small team can get with AI and public knowledge.

EDUCATION

Cedarville University (ABET Accredited) (NSA NCAE-CO&CD)

Cedarville, OH | May 2027

B.S. in Computer Science and Cyber Operations; GPA: 3.74

Honors: President's Scholar Award, Dean's List, Eagle Scout (BSA)

Relevant Coursework: Advanced Cyber Maneuvers, Cyber Forensics, Computer Networks

COMPETITIONS

- National Cyber League, Spring 2026: 2nd of 7,011 individually (3,000/3,000 points, 99% accuracy, no hints); 9th of 3,634 in the Team Game
- CCDC 2026: Ohio state champions; 2nd at Midwest Regionals; advanced to the national wildcard round
- CyberSEED 2026: 2nd place, four-person Cedarville team (\$2,500 prize)
- NSA Codebreaker Challenge 2026: in progress, three tasks completed

WORK EXPERIENCE

Lockheed Martin Advanced Technology Labs

Cedarville, OH

Research Intern

Mar 2026 – Jul 2026

Conducted proprietary research for Lockheed Martin Advanced Technology Labs in cybersecurity, focused on AI and agentic systems.

Proto, AI Engineer (contract)

Sep 2025 – Aug 2026

- Built an AI pipeline that generates full courses of lessons on self-hosted language models, with an automated quality check on everything it writes.
- Worked on retrieval so generated lessons draw on real source material.

Cedarville University

Cedarville, OH

Cyber Student Fellow, Instructor for Basic & Advanced Cyber Maneuvers

Aug 2025 – May 2026

- Taught two seminars to 30+ underclassmen; rebuilt nearly all of the curriculum.
- Advanced seminar walks the full kill chain on the university Cyber Range (Nmap through EternalBlue, pivoting, Modbus attacks, privilege escalation, Sliver C2), ending in CEDAR FLAG, a mock cyber operation modeled on the Air Force's Red Flag.

Cedarville University Information Technology

Cedarville, OH

Technical Lead

Aug 2025 – Present

- Lead 15–20 technicians providing university IT support; oversee incident resolution and mentor newer technicians.
- Reduced average recorded ticket resolution time 27% (37.8 to 27.5 hours, year over year) by standardizing three-touch customer follow-up (call, text, email) and closing tickets on resolution.
- Closed 775 Personal Technology tickets in first year as lead, 30% more than the prior year.

Techstop Tier 1 Technician

Aug 2024 – Aug 2025