

# ETHAN ANDERSON

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## OBJECTIVE

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Computer Science student seeking cybersecurity roles with a focus on systems security and cryptography

## EDUCATION

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**Master of Science in Computer Science**, Florida State University Expected 2026 - 2027

**Bachelor of Science in Computer Science**, Florida State University, GPA 3.9/4.0 2023 - 2026

Relevant Coursework: Computer Security, Network Security & Cryptography, Computer Network & System Administration

## SKILLS

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**Languages** C, C++, C#, Python, Java, x86, SQL, MIPS

**Tools** Linux, Burp Suite, ZAP, TSK & Autopsy, Ghidra, Wireshark, Netcat, Hashcat, JtR, Hydra

**Technologies** Docker, K8s, Git, CI/CD Pipelines, Relational Databases, MongoDB, Django, SageMath

## EXPERIENCE

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**Contest Developer** 2025 - Present

FSU ACM *Tallahassee, FL*

- Re-architected contest division and scoring logic in a legacy Django codebase, consolidating multiple divisions into a single, automatically computed team classification system.
- Worked with team to refactor registration, team management, and admin workflows so divisions are inferred from participant profiles, eliminating manual configuration and ensuring consistent prize eligibility.

**Lab Monitor** 2025 - Present

FSU Department of Computer Science *Tallahassee, FL*

- First point of contact in a 50+ seat CS lab: maintain system uptime and keep the space safe and usable for students and faculty.

## PROJECTS

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**beef2beef - Secure Chat:** Built a secure end-to-end encrypted chat app in Python with TCP (plus optional Linux Bluetooth) and a PySide6 GUI; automated setup/run with shell scripts and virtualenv. Implemented CLI/GUI flows for listening/connecting peers, enabling many-to-one connections.

**Home Lab:** Designed and deployed a multi-node homelab environment running Debian servers with virtualization, Docker networking, secure remote access via Tailscale, RAID 1 storage, and self-hosted services for security research and systems experimentation.

**Automated Content Editing and Publishing Platform:** Built a self-hosted Python/FastAPI system that pulls from Reddit (text-to-video) and Twitch/YouTube, cuts highlights into short-form clips, formats to platform specs, burns subtitles, and uploads on a schedule; editing uses command-line tools, and CI on a dedicated server collects artifacts and keeps the workflow repeatable.

**Resource Monitor for ARM Linux Systems:** Developed a modular monitoring solution in C for ARM systems on Kali Linux, integrating a kernel module to expose RAM usage and a user-space CPU monitor to calculate per-core usage.

## EXTRA-CURRICULAR ACTIVITIES

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**Active Competitor/Member** - nol3ptr: Capture-the-Flag Cybersecurity Team 2025 - Present

**Event Coordinator** - Florida State University Surf Club 2024 - Present

**Club Member** - Florida State University ACM Chapter, Cybersecurity Club, Cloud Club 2023 - Present

**Florida State University ACM Programming Contest**

Competitor - 4th place Spring 24'

Proctor Fall 24', Spring 25'

Question Writer Fall 25', Spring 26'

**Florida State University CTF Contest**

Competitor - 2nd place Spring 25'