

Ethan Anderson

Tallahassee, Florida

(239) 287-4212 | ela22d@fsu.edu | LinkedIn | GitHub | Portfolio/Blog

Summary

Computer science student at Florida State University with a passion for learning and problem-solving. Active CTF competitor committed to growing in cybersecurity, focusing on network security and cryptography.

Education

Pursuing B.Sc. in Computer Science

Expected M.Sc. in Computer Science

Florida State University, GPA: 3.88 (2023 - 2026)

Florida State University (Starting Fall 2026)

Technologies and Languages

Languages

C, C++, C#, Python, Java, x86, Rust, SQL

Tools

Burp Suite, ZAP, TSK & Autopsy, Ghidra, Netcat, Hashcat, JtR, Hydra, Votatility 3, zsteg

Technologies

Relational Databases, Git, CI/CD Pipelines, Docker, React, MongoDB, SageMath, K8s

Spoken/Written

English (Native), German (Intermediate)

Skills

Networking

TCP/IP, IPv4 and IPv6, subnets, VLANs, routing, switching, NAT, VPN, 802.11

Monitoring

Wireshark, tcpdump, tshark, SNMP

Security and Edge

ACLs, firewalls, IPsec and SSL VPN concepts

Relevant Coursework

Security: CTF (Practical Cyber Operations), Computer Security

Systems: Operating Systems, Computer Organization, Secure Parallel and Distributed Applications

Data and Theory: Theory of Computation, Theory of Databases, Discrete Math II, Probability

Software Engineering: Full Stack Development in C#, Software Engineering

Projects

VPN and Access Control Lab

- Established site-to-site IPsec between lab routers and enforced ACLs to limit inter-VLAN access. Validated with routing tables, PCAPs, and a reachability matrix.

Resource Monitor for ARM 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.

Python SDN Controller & Secure File Fetch

- Created a minimal, extensible SDN controller framework in pure Python, featuring secure authentication and Base64-encoded file retrieval over a simple text protocol.

Automated Content Editing and Publishing Platform (Clip Farm)

- 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.

Tempura Anime Recommender

- Produced a full-stack web application using React (with TypeScript) and Tailwind CSS for the frontend, and Node.js with Express and MongoDB (via Mongoose) on the backend. The application features user authentication with JWT, caching of anime data from the Jikan API with NodeCache, and social functionalities including friend management, reviews, and activity logs.

Affiliations

Competitor - 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

Contests

Florida State University ACM Programming Contest

Competitor - 4th place

Spring 24'

Proctor

Fall 24', Spring 25'

Question Writer

Fall 25'

Florida State University CTF Contest

Competitor - 2nd place

Spring 25'

Work Experience

Florida State University Computer Science Department - Lab Monitor

May 2025 - Present - Tallahassee, FL

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

Coral Hospitality - Range/Cart Attendant

Oct 2022 - Mar 2024 - Naples, FL

Prepared golf carts for daily use, including cleaning, charging, and ensuring proper functioning. Monitored and managed the availability and distribution of golf carts to ensure efficient usage and timely availability for golfers.