

Matthew Ferrari

EDUCATION

Bachelor of Science, Computer Science

University of Tennessee-Knoxville

Expected Graduation: 2027

TECHNICAL SKILLS

Programming Languages: C, C++, JavaScript, HTML, CSS, Python

Software: Microsoft Office Suite, Adobe Photoshop, InDesign

Operating Systems: Windows/Mac/Linux, Raspberry pi

Other: Video editing, film and digital photography, Podcast and auxiliary equipment

Certifications: Microsoft Office Specialist Certification, Microsoft Excel Expert, Microsoft Word Expert Specialist

LEADERSHIP & ACTIVITIES

Eagle Scout: Mentor chief for first year scouts. Held multiple different leadership positions with my patrol and troop. In charge of planning and buying food/supplies for patrol before trips

UTK Radio Host Co-hosted live Radio show promoting local musicians

Student Government Treasurer: Lead class treasurers in creating class projects and collaborating during student body event

EXPERIENCE

UTK-EECS Business Office Student Assistant Current

- Evaluated past class signups to estimate growth in classes year over year. Optimized physical storage for renovations

UTK Fellowship Researcher July 2024 – July 2025

- Collaborate and code nuclear production analytic products among interdisciplinary, multi model research team. Researched foreign nuclear proliferation under UTK nuclear security program
- Briefed Director of National Intelligence in Washington, D.C.

The IT Company Intern June 2023–August 2023

- Update client's private databases, configure client's hardware systems, shadow mentors across tens of thousands tickets

Clayton HQ IT Intern May 2022-July 2022

- Shadowed Clayton HQ Engineering teams across Front-end, back-end, Networking, and Systems departments gaining hands-on exposure to diverse technical roles and agile workflow while building professional relationships throughout the organization.

Projects

[Underbranch.org](#)

- Developed online LaTeX web-editor along with 3 University Students. Used React framework, Monaco editor, Sockets.io, custom implementation of syntax from open-source libraries of keywords to create auto-completion environments. Allows for same-time collaboration amongst authors.

Pi-hole DNS home server

- Applied hands-on experience with network protocols, DHCP configuration, DNS forwarding, and privacy-focused network architecture while learning to troubleshoot critical DHCP misconfigurations.
 - Deployed a Raspberry Pi as a network-wide DNS sinkhole to block advertisements and tracking requests across all connected devices. Configured static IP addressing, DHCP server settings, and implemented blocklists with regex filtering.
 - Blocked non-consensual surveillance and reinforced privacy protocols for marketplace entertainment systems
- Technical

Relevant Coursework by Summer 2026

- Cybersecurity, Cyber-Physical Security, Data Structures and Algorithms, Machine Learning, Operating Systems