Ethan Carter Edwards

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Education

A.B. in CS and Math, Harvard College **(August 2025 - May 2029)**

- Relevant Coursework: CS 2620, CS 1520, CS 61
- The Harvard Crimson Tech Board Member, HFAC Quant, Harvard Political Review Staff Writer, Harvard Political Union Debater, RSEL Fellow, Electrical Team Lead for Harvard Satellite Club (Launch April 2026!)

A.S. in Science, Wytheville Community College **(June 2022 - May 2025)**

- Recipient of the 2025 John V. Neff Humanities Award
- 4.0 GPA; Calculus, Chemistry, Cybersecurity, British/American Literature, Political Science, Art History

Advanced High School Diploma, Carroll County High School **(August 2021 - May 2025)**

- 4.7 GPA; Valedictorian; Programming, Physics, Math, Chemistry, Economics, Drafting
- Varsity Cross Country, Swim, Track, Competitive Math, and Scholastic Bowl Teams
- FBLA Nationals: Computer Problem Solving (3rd), Networking Infrastructures (5th), and Network Design (8th)
- FBLA Regional Vice President, Chapter President; SkillsUSA Web Development District Champion

Experience

Summer of Nix Fellow, NixOS Foundation **(June 2025 - September 2025)**

Worked with a team across 4 continents to package and provide support for free/libre and open source software to clients, community members, and developers using Nix, NixOS, OCaml, Rust, Python, and more.

Systems Administrator Intern, AlthaTechnology **(March 2020 - August 2021**

Designed and implemented a distributed storage system serving up to 30 servers with redundancy across servers. Redesigned network to use 10G fiber to emphasize low latency and increased reliability during peak traffic times for media servers.

IT Support Intern Team Lead, Carroll County Public Schools **(March 2023 - August 2025)**

Managed a team of 6 interns across three buildings, installing 80+ new TVs and unboxing 1200 new Chromebooks. Gave three professional development presentations to high school and middle school staff on how to use new TVs. Featured as a panelist for Cybersecurity Education at the Radford University 2023 IMPACT Conference. Livestreamed and recorded various events, graduations, talent shows, and more. Trained my replacement and picked new interns each year.

Founder and host, The Ridge Podcast **(February 2023 - Current)**

Interview Appalachian politicians, historians, veterans, musicians, writers, journalists, teachers, and more to archive their stories for future generations. 100+ episodes. Guests include Congressman Morgan Griffith and NYT Best Seller Beth Macy.

Projects

Dracula Tmux **750+ GitHub Stars**

Primary free software maintainer for a themed modular plugin system for Tmux. Compatible with Linux and *BSD. Includes Kubernetes, Git, SSH, Weather status, path, GPU/RAM/CPU/disk utilization, Blood Glucose levels, and more.

ethancedwards.com, personal website and webapps including Find Your Reps. **GitHub**

My personal website built using Node, Express, and ReactJS on the frontend. The backend uses Python and Flask to serve quotes, podcast information, power the Congress Information Webapp, and more. All hosted using Docker and Linux.

Homelab, Home Networking, and Self-Hosting

I maintain a multi-architecture fleet of servers that hosts personal, family, and client websites using Docker, NFS, Linux, VLANs, Subnetting, Fiber, and more. Hardware includes Dell Poweredge R320, Cisco C3750G L3 Switch, and managed multiple WiFi Access Points across the property.

Talks/Panels/Presentations

1. Edwards, Ethan Carter "NixOS, Nixpkgs, and Nix". Northeastern University Linux Users Group, Boston, MA, November 19, 2025.
2. Edwards, Ethan Carter "Newline Interactive TVs". Carroll County Public Schools, Hillsville, VA, December 17, 2024.
3. Edwards, Ethan Carter "Philips Interactive TVs". Carroll County Public Schools, Hillsville, VA, August 1, 2024.
4. Edwards, Ethan Carter et al. "Cybersecurity Education". Radford University IMPACT Conference, Abingdon, VA, November 9, 2023.

Certifications and skills

- FCC Amateur Radio Amateur Extra Class License
- CompTIA Security+
- CompTIA A+ (1101-1102)
- (ISC)² (CC)
- GitLab Certified Git Associate
- Git, Linux, Containerization, Networking
- Bash, Nix, C, Python
- CAD, Soldering, and Electronics Experience