

# Ethan Carter Edwards

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## Education

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### A.B. in CS and Math, Harvard College

(August 2025 - May 2029)

- Relevant Coursework: Graduate Distributed Systems, Operating Systems, Systems and Machine Organization
- 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

## Experience

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### Summer of Nix Fellow, NixOS Foundation

(June 2025 - September 2025)

- Used Nix, NixOS, Rust, Python, and OCaml to package 50+ programs and modules for clients across the E.U.
- Communicated with a team across 4 continents to develop using Open Source platforms and methods.

### IT Support Intern Team Lead, Carroll County Public Schools

(March 2023 - August 2025)

- Managed a team of 6 interns across three buildings over the span of three years. Hired interns each year.
- Installed 80+ TVs and unboxed 1200 new Chromebooks and taught professional development courses to school staff.
- Featured as a panelist for Cybersecurity Education at the Radford University 2023 IMPACT Conference.
- Livestreamed, recorded, and managed AV for graduations, board meetings, talent shows, and more.

### Contributing Technical Writer, StorageReview.com

(June 2021 - December 2021)

- Wrote 7 articles on networking equipment, enterprise and consumer storage options, and Homelab technologies.
- Benchmarked, tested, and reviewed enterprise and consumer server hosting software.

### Systems Administrator Intern, AlthaTechnology

(March 2020 - August 2021)

- Designed and implemented a redundant distributed storage system serving up to 30 servers with 10G fiber network.
- Implemented distributed and highly-available compute layer using Docker Swarm reducing costs by \$300/month.

## Projects

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### The Ridge Podcast, NextJS, Flask, Cloudflare R2, SCSS, Docker, REST APIs

[Website](#)

- Developed a custom podcast CMS to serve 500+ daily listeners with 99% uptime using a global CDN system.
- Interviewed 100+ politicians, historians, veterans, musicians, journalists, writers, teachers, and more.

### Dracula Tmux, Bash, REST APIs, Open-Source

750+ GitHub Stars

- Maintainer for a popular Open-Source (750+ GitHub Stars) modular tmux plugin for Linux and \*BSD systems.
- Developed statuses for Kubernetes, Git, Terraform, Weather, GPU/RAM/CPU utilization, and Blood Glucose levels.

### NixOS/Nixpkgs Maintainer, Nix, Python, Rust, Open-Source

- Serve on the MacOS Darwin and NGI dev teams. Maintain 200+ packages. Reviewed 2100+ PRs. 200+ PRs merged.

### Homelab, Home Networking, and Self-Hosting, Docker, ZFS, NFS, Proxmox, Networking

- Maintain a multi-architecture web hosting fleet to host sites with 2K+ daily active users at a 99% uptime.
- Hardware includes Dell Poweredge R320, Cisco 3750G L3 Switch, and managed WiFi Access Points.

## Certifications

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- FCC Amateur Radio Amateur Extra Class License
- CompTIA Security+

- CompTIA A+ (1101-1102)
- (ISC)<sup>2</sup> (CC)