

## Jeremy M. Hayes

Elmhurst, Illinois 60126 | 331-218-7576

[Jeremy@jeremymhayes.com](mailto:Jeremy@jeremymhayes.com) | [jeremymhayes.com](http://jeremymhayes.com) | [github.com/aspectov](https://github.com/aspectov)

### PROFILE

SkillsUSA Illinois State Finalist (6th Place, 2025) pursuing Computer Science/Cybersecurity. Full-stack developer experienced in building secure applications, APIs, and cloud-hosted systems used in Roblox and Discord communities.

### EDUCATION

**York Community High School** — Elmhurst, IL

Anticipated Graduation Date: June 2027

Related Coursework:

- AP Computer Science Principles (*in progress*)
- AP Computer Science A (*in progress*)
- Adv. Technological Services Internship — 3-year vocational class covering network administration and hardware diagnostics
- Honors Physics - Mechanics and electromagnetism with computational modeling labs

### EXPERIENCE

**Freelance Developer** — Elmhurst, IL      Spring 2023 — Present

*Scripter & Systems Engineer*

- Developed dozens of Luau scripts and gameplay systems for Roblox developers, cutting their implementation time and standardizing core mechanics across projects.
- Created and shared free educational resources and models within developer communities.
- Led systems integration for the Roblox title The Survivors, unifying independently developed mechanics, resolving bugs, and stabilizing gameplay systems for tens of thousands of visits.

### PROJECTS

**File Encryption Utility** | C#, XAML, .NET

- Built a secure desktop application using AES-256-GCM encryption with Argon2id password hashing and metadata obfuscation.

**Self-Hosted API Gateway** | Node.js, Express, Cloudflare, Linux

- Developed a RESTful API syncing Discord server data to Roblox game instances in real time.
- Supports 1,000+ daily requests with JWT authentication and rate limiting.
- Deployed on a custom subdomain using Cloudflare Tunnel for secure remote access.

**Multi-Purpose Discord Bot** | Python, SQLite, Linux

- Self-hosted bot serving 200+ users across personal Discord communities.
- Implements moderation tools, custom utilities, and persistent activity logging.

**Personal Portfolio Website** | Next.js, React, TypeScript, Tailwind CSS

- Responsive portfolio website achieving a 98+ Lighthouse performance score.

**Home Media Server** | Linux, Jellyfin, Intel QuickSync, Docker

- 4K transcoding server supporting 5+ concurrent remote streams.
- Configured reverse proxy and SSL encryption via Cloudflare Tunnel.

### SKILLS

- **Languages:** C#, TypeScript, Luau, Python, HTML/CSS, JavaScript
- **Frameworks:** React, Next.js, Tailwind CSS, Unity, WinUI 3
- **Tools:** Git, Blender, CI/CD pipelines, Linux server administration
- **Hardware:** Desktop/Laptop build & repair, system optimization

### CERTIFICATIONS & HONORS

- CompTIA Tech+ — 2025
- CompTIA A+ — In Progress (Expected 2026)
- Microsoft Office Specialist Certification — In Progress
- SkillsUSA Illinois State — 6th Place, Technical Information Services (2025)
- National Technical Honor Society — Member