

# Ervin Ward III

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## EDUCATION

### George Mason University

Bachelor's of Science, Applied Computer Science

Fairfax, VA

Expected Graduation: Spring 2029

Concentration: Artificial Intelligence

## SKILLS & CERTIFICATIONS

**Certifications:** Google IT Support Professional Certificate | AutoDesk CAD|

**Languages:** Python | JavaScript | C++ | HTML | CSS | Bash

**Cybersecurity Tools:** WireGuard | Pi-hole | Unbound | VPN/Proxy setup | DNS filtering

**Networking:** TCP/IP protocols | OSI Model fundamentals | port scanning | Wireshark basics

**Operating Systems:** Linux | Windows | MacOS

**DevOps & Tools:** Git | Docker | Ansible | VirtualBox | VS Code | Autodesk CAD

**Help Desk Tools:** Ticketing systems | SSH | VNC | system imaging | basic troubleshooting

## WORK EXPERIENCE

### Future Business Leaders of America (FBLA)

Reston, VA

Technical Staff Intern

Apr. 2024 - Apr. 2025 (Seasonal)

- Provided tech support and backend assistance during leadership events for over **1200+** attendees
- Operated digital registration systems, maintaining **99%** data accuracy across participant databases

### Science Museum of Virginia

Richmond, VA

Intern

Sep. 2024 - Feb. 2025

- Assisted with educational program setup and STEM exhibit tech
- Operated ticketing software for timed entry and exhibit access for **300+** daily guests
- Collaborated on coding a planetarium exhibit and delivered a presentation of the project.

### Coastline Aquatics

Moseley, VA

Lead Lifeguard

May 2025 - Present (Seasonal)

- Supervised team of **9-12** junior lifeguards and ensured poolside safety
- Coordinated HOA pool access using a digital ticketing tool for up to **3500** patrons daily

## PROJECTS

### AI Judge Game (*Python, Ollama, Kivy*)

- Developed an AI-powered courtroom simulation game using Ollama to generate legal cases and verdicts intended for lawyers to efficiently search legal cases and easily find verdicts with rulings. Integrated real-time encryption (Fernet) and scoring metrics based on case logic and defense performance. || **Github Link:** <https://github.com/ewardGPT/AI-Judge-Game/tree/main>

### Secure Raspberry Pi Proxy & Ad-Block Gateway (*Linux, WireGuard, Pi-hole*)

- Configured a Raspberry Pi 3B to act as a secure proxy and DNS sinkhole, blocked mobile in-app ads and hardened DNS with Unbound to encrypt recursive queries also designed stealth traffic routing. ||

## AFFILIATIONS

### National Society of Black Engineers

August 2025 - Present

### ColorStack

August 2025 - Present