

Vaughan Milliman

Atlanta, GA | vaughan@vaughanm.xyz | (205) 944-9263

[linkedin.com/in/vaughanm0](https://www.linkedin.com/in/vaughanm0) | github.com/zeroxoneafour | vaughanm.xyz

Education

Georgia Institute of Technology, Atlanta, GA

May 2029

Bachelor of Science in Computer Science, Threads: Systems & Architecture, Information Internetworks

Coursework – Data Structures and Algorithms, Computer Organization and Programming, Discrete Math

University of Alabama, Tuscaloosa, AL

December 2026

Dual Enrollment with Vestavia Hills High School – Calculus III

Technical Skills

Languages/Frameworks - HTML, CSS (Tailwind), JavaScript, TypeScript (Svelte), Rust, C# (Avalonia), Java

Design Patterns/Conventions - IoC, CI/CD, OOP, Declarative, Functional, DSA, Unit Testing, LINQ

Tooling - Git, IntelliJ, Rider, VSCode, Zed, Linux (desktop/server), Podman, GitHub, npm, cargo, dotnet

Programming Projects

Polonium Tiling Script

March 2023 – July 2024, May 2026 – present

- Created, developed, and maintained script for Plasma Desktop Environment on Linux
- Accumulated over 20,000 downloads, 1,000 GitHub stars, and \$200 in funding via individual donations
- Worked closely with other open-source developers at KDE to improve user experience and fix bugs
- Responded to and worked on >170 issues and >50 pull requests submitted by users and developers

HeadsUp, Planet, CollegeAppHub

July 2025 - July 2026

- Developed a Headscale frontend, web-based planner, and college application tracker
- Used Firebase web APIs, DSA/OOP principles and SvelteKit to build responsive, reactive user interfaces
- Released as free and open-source software on GitHub

HotspotKit, ALVR

November 2024, February 2025

- Developed C#/Avalonia interface enabling Windows Hotspot management for wireless VR application
- Implemented client-side upscaling for ALVR via the SGSr 1.0 algorithm in Rust/WebGL
- Wrote documentation for ALVR detailing performance optimization strategies

Leadership and Community Engagement

Georgia Tech eXtended Reality Club, server team

August 2026 – present

- Outlined and developed backend software connecting augmented reality and robotics
- Worked collaboratively with others to design and implement a scalable human interaction API

Yellow Jacket Fencing Club, foil fencer

August 2026 – present

Vestavia Competitive Computer Programming Club, cofounder/VP

August 2023 – May 2026

- Cofounded and led the Computer Programming Club at Vestavia Hills High School
- Offered free AP CSA tutoring before the class was offered as part of the Vestavia curriculum
- Competed in ACSL, UAB HSPC, and Charleston HSPC national and regional programming competitions