

Harrison Tun

harrison.tun@tufts.edu | (202) 868-7089 | harrisantun.dev

EDUCATION

Tufts University

Bachelor of Science in Computer Science GPA: 3.6/4.0

Medford, MA

Expected May 2027

TECHNICAL SKILLS

Languages: C/C++, Java, Python, JavaScript, HTML, CSS, x86 Assembly

Frameworks & Libraries: Vue 3, React, Node.js, Tailwind CSS, Prisma

Databases & Cloud: PostgreSQL, MongoDB, Microsoft Azure

Developer Tools: Git, GitHub, REST APIs, macOS

AI Engineering Workflow: Git worktrees, parallel coding agents, implementation planning, task decomposition, prompt design, code review

Relevant Coursework: Data Structures, Discrete Mathematics and Algorithms, Machine Structure with Assembly Programming, Linear Algebra

WORK EXPERIENCE

MITRE

Bedford, MA

Full Stack Developer Intern

May 2026 - Present

- Build and maintain internal security applications that manage employee credentials and access to company systems.
- Develop features for FastJump, a company-wide command-based navigation tool that gives employees faster access to internal applications, office reservations, and campus services.
- Use Git worktrees and parallel AI agents to plan implementations, test independent approaches, debug defects, and generate test cases before reviewing and integrating the strongest solution.

NearStudios

Remote

Software Engineering Intern

Apr 2025 - Dec 2025

- Automated onboarding for more than 10,000 Kickstarter backers by building a Python CSV-processing pipeline integrated with a custom Discord bot.
- Reduced manual data-entry time by 60% by generating one-time invite links and assigning Discord roles automatically based on contribution tiers.
- Built a React platform with Unreal Engine 5 and Twitch integrations that enabled creators, developers, and players to participate in interactive livestream experiences.

Avenel Swim Club

Potomac, MD

Assistant Head Coach

May 2024 - Aug 2024

- Planned and led structured practices combining endurance, speed, and race-specific training while mentoring swimmers and reinforcing team accountability.

PROJECTS

CSV to Discord

Python, Discord API

- Built an automated backer-onboarding pipeline that parsed Kickstarter CSV exports, generated personalized one-time invite links, and assigned Discord roles based on donation tiers.
- Eliminated manual role management and accelerated verified access to supporter perks for a community of more than 10,000 backers.

3v3 Pokemon Battle Simulator

Vue 3, Node.js, PokeAPI

- Built a full-stack battle simulator that retrieves Pokemon statistics, moves, and character data from PokeAPI.
- Implemented team selection, turn-based combat, health tracking, damage calculations, and responsive battle-state updates.

File Search Engine

C++

- Built a grep-compatible command-line utility with recursive directory search, case-insensitive matching, line-number output, and contextual results.

LEADERSHIP EXPERIENCE

Engineers Without Borders

Medford, MA

Tech Group Lead

Jan 2025 - Present

- Lead the WiSH project's technical work and built a MongoDB database to track water-tank levels in Makwelani, Malawi, improving logging reliability and visibility into usage trends.