Christopher Jung

Seeking Summer 2026 Software Engineering Internship | Personal Website

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EDUCATION

University at Buffalo, SUNY — Buffalo, New York
Bachelor of Science in Computer Science — *Expected June 2027*

- **GPA:** 3.6 / 4.0
- **Relevant Coursework:** Web Applications, Computer Organization, Data Structures, Algorithms and Complexity, Systems Programming, Programming Languages, Discrete Structures

EXPERIENCE

The Barbarian Group — New York, NY
Software Engineer Intern — *Summer 2025*

- Developed **5+ pages** and **10+ features** for an AI-powered internal tool using **Supabase** (DB + auth), **Next.js**, **React**, **Tailwind CSS**, and **TypeScript**, deploying through a **Vercel CI/CD pipeline** to significantly reduce manual research across departments.
- Improved the company website by fixing **5+ critical UI/UX bugs**, enhancing mobile responsiveness, and deploying new features with **HTML, CSS, and JavaScript**, improving user experience across all devices.
- Accelerated **product delivery** by translating **15+ Figma designs** into pixel-perfect UIs and collaborating with design and product stakeholders in **Agile sprints** to ensure brand alignment.

PROJECTS

Spotify Stats Dashboard | Live Site | GitHub — 2025 - Present

- Delivered **real-time personalized music insights** by integrating **6+ Spotify API endpoints** into a full-stack dashboard using **Next.js**, **React**, and **Tailwind CSS**.
- Enhanced usability by resolving **3+ high-priority bugs** (e.g., redirect issues) and shipping user-requested features, delivering a **smoother experience** across desktop and mobile.
- Implemented secure authentication with **NextAuth.js (Spotify Provider)**, using **OAuth 2.0**, **JWTs**, and a custom refresh function to keep Spotify access tokens server-side in `HttpOnly` cookies.
- Engineered secure serverless routes in **Next.js** to **proxy Spotify API requests**, ensuring JWT validation and token management remained secure and server side only, resulting in full protection of user data.

Premier League Stats | Live Site | GitHub — 2025 - Present

- Developed a full-stack soccer stats app covering **500+ EPL players across 15 seasons** using JavaScript (Vite), Supabase, and API-Football, displaying real-time and historical player data.
- Built dynamic player cards with toggles for **15+ advanced statistics** and season-switching functionality, updating UI in-place using parsed JSON API responses.
- Reduced API requests by **25%** by using Supabase (PostgreSQL) as a cache layer indexed by unique player IDs.
- Secured the backend with **Row-Level Security (RLS)** in **Supabase** and proxied external API calls through serverless routes, protecting private API keys and preventing unauthorized access.

Dynamic Memory Allocator (Academic Project) | *C, UNIX* — Fall 2024

- Implemented a dynamic memory allocator in **C** using a **free list** built with **structs** and **linked lists**, supporting `malloc()`, `calloc()`, `realloc()`, and `free()` with efficient block reuse.
- Simulated heap behavior using low-level system calls like `sbrk()` and `brk()`.
- Verified correctness by running **20+ UNIX commands** (e.g., `ls`, `cat`, `ps`) with the allocator, ensuring 100% compatibility without segmentation faults.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C
Frontend: React, Next.js, Vite, Tailwind CSS, HTML, CSS
Backend & Databases: Node.js, Express.js, REST APIs, PostgreSQL (Supabase)
Authentication & Security: NextAuth.js, Supabase Auth, OAuth 2.0, PKCE, JWT
Tools & Practices: Git, GitHub, Vercel, Jira, CI/CD, Agile, Figma, Webflow, UNIX, JUnit