

# Christopher Jung

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## EDUCATION

### University at Buffalo, SUNY

Bachelor of Science in Computer Science

Buffalo, New York

Expected May 2027

- **GPA:** 3.7 / 4.0 | **Dean's List:** Spring 2024, Fall 2024
- **Relevant Coursework:** Web Applications, Data Structures, Algorithms and Complexity, Computer Organization, Systems Programming, Programming Languages, Discrete Structures

## EXPERIENCE

### The Barbarian Group

Technology Intern

New York, NY

Summer 2025

- Built and maintained **5+ responsive frontend screens** for an AI powered company-wide internal tool using **Next.js**, **React**, **Tailwind CSS**, and **TypeScript**, streamlining workflows across multiple departments.
- Enhanced the company website by fixing UI/UX bugs, implementing responsive layouts, and deploying new frontend features using **HTML**, **CSS**, and **JavaScript**.
- Translated **10+ Figma designs** into **pixel-perfect UIs**, worked cross-functionally with multiple stakeholders to ensure alignment with brand guidelines and product vision.
- Delivered features in **Agile sprints**, resolved **Jira** tickets, and collaborated with 5+ developers on **GitHub**, frequently merging pull requests and reviewing code.

## PROJECTS

### Spotify Stats Dashboard | [Live Site](#) | [GitHub](#)

2025 - Present

- Built and deployed a full-stack Spotify dashboard with dynamic UI using **Next.js**, **React**, and **Tailwind CSS**, integrating **9+ Spotify API endpoints** to show personalized data such as top artists, songs, etc.
- Implemented secure authentication with **NextAuth.js** using the built-in **Spotify Provider**, managing OAuth 2.0 flows, access token refresh with a custom function, and session-based access via `getSession()`.
- Designed and implemented a secure Next.js request pipeline: frontend utility functions invoke serverless API routes under `pages/api` that handle access tokens securely and return needed data.
- Supported **5+ active users** under Spotify's 25-user dev limit; fixed **3+ bugs**, improved layout across all devices, and added new features all based on user feedback.

### Premier League Stats | [Live Site](#) | [GitHub](#)

2025 - Present

- Developed a full-stack soccer stats app for EPL players using **JavaScript (Vite)**, **Supabase**, and **API-Football** to display real-time player data.
- Built dynamic player cards with toggles for advanced statistics and season-switching functionality, updating UI elements in-place using parsed **JSON API responses**.
- Reduced API requests by **25%** and significantly improved load times by using **Supabase (PostgreSQL)** as a cache layer for API responses, indexed by unique player IDs.
- Secured the backend with **Row-Level Security (RLS)** in **Supabase** and proxied external API calls through `/api` routes to hide private keys.

### 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 allocator correctness by using real **UNIX commands** such as `ls`, `cat`, and `ps`.

## 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, OAuth 2.0, PKCE

**Tools & Platforms:** Git, GitHub, Vercel, UNIX, JUnit, Jira, Figma, Webflow