

Christopher Jung

Seeking Summer 2026 Software Engineering Internship | [Personal Website](#)
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EDUCATION

University at Buffalo, SUNY

Bachelor of Science in Computer Science

Buffalo, New York

Expected May 2027

- **GPA:** 3.6 / 4.0
- **Relevant Coursework:** Web Applications, Applied HCI and Interface Design, Data Structures, Algorithms and Complexity, Systems Programming, Computer Organization

EXPERIENCE

The Barbarian Group

Software Engineer Intern

New York, NY

Summer 2025

- Shipped **10+ features** for an AI-powered internal tool using Next.js, React, TypeScript, and Tailwind CSS, streamlining internal workflows and reducing manual work for **20+ employees**; deployed via **CI/CD**.
- Resolved **5+ critical bugs** and delivered enhancements to the official company website, improving the user experience across all devices.
- Collaborated with a **team of 5 developers** in Agile sprints, participating in code reviews and working cross-functionally with product/design to ship production releases.

PROJECTS

Internship Hub | [GitHub](#)

Dec 2025 – Present

- Built a full-stack internship toolkit (resume feedback, cover letter generation, project roadmaps) using **Next.js**, enabling personalized outputs from user form inputs and job descriptions.
- Designed a structured input workflow (skills, experience, target role) and implemented **Next.js API routes** to transform user data into consistent, LLM-ready prompts.
- Integrated the **Groq LLM API** with structured prompting and enforced output reliability using custom **JSON schema parsing/validation**.
- Ran **50+ generation test cases** across varied inputs and iterated on prompts/parsing logic to reduce malformed responses and improve output relevance.

Python HTTP Server (Academic Project)

Fall 2025

- Developed a custom HTTP/HTTPS server in Python, implementing request parsing, routing, buffering, and **15+ REST API routes**, validated with **75+ test cases**.
- Engineered secure auth & security features: bcrypt password hashing (salted), OAuth 2.0 (GitHub), TOTP-based 2FA, and secure cookies.
- Built a real-time chat system using **MongoDB**, implementing message CRUD operations and user authorization.
- Built real-time media features using **WebSockets** and implemented multipart **image/video upload** endpoints (**multipart/form-data**).
- Configured **Nginx** with Docker for HTTPS with a self-signed TLS certificate via **OpenSSL**, automatically redirecting HTTP (80)→HTTPS (443).

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

July - August 2025

- Built a Spotify analytics dashboard using **Next.js**, integrating **6+ Spotify API endpoints** to deliver personalized, real-time listening insights.
- Implemented secure **OAuth 2.0** authentication with **NextAuth.js**, protecting tokens via **server-side API routes** and handling token refresh with custom logic.

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

July - August 2025

- Developed an EPL stats app for **500+ players** using Vite, Supabase, and API-Football with cached data reducing API requests by **25%**.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C, HTML, CSS

Frameworks & Databases: React, Next.js, Node.js, Supabase, PostgreSQL, MongoDB

Protocols & APIs: REST APIs, HTTP/HTTPS, OAuth 2.0, WebSockets

Tools & Practices: Git, GitHub, Vercel, Groq API, UNIX, CI/CD, Agile, Code Reviews, Jira, Figma