





MARCUS WHITFIELD

Recent computer science graduate with internship experience in full-stack web development. Strong fundamentals in algorithms and systems, plus three open-source contributions to a Rust HTTP library. Looking for a new-grad software engineer role on a backend or platform team.

CONTACT INFORMATION

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 Bloomington, IN

KEY SKILLS

- Languages: Python, Java, C++, JavaScript, Rust (learning)
- Web: React, Node.js, Express,
- REST Databases: PostgreSQL, SQLite
- Tools: Git, Docker, Linux, GitHub Actions
- CS fundamentals: data structures, algorithms, concurrency
- Open source: contributor to hyper-rs (3 merged PRs)

PROFESSIONAL EXPERIENCE

Software Engineering Intern | Quillstack Labs, Indianapolis, IN
June 2024 - Present

- Built a self-serve admin panel in React and Node.js used by 14 internal support agents to look up account state without filing engineering tickets.
- Wrote integration tests covering the billing webhook handler; raised line coverage on that module from 41% to 86%.
- Presented final intern project to engineering leadership and received a return offer.
- Paired with two senior engineers on a Postgres index-tuning task that shaved a slow query from about 4 seconds to under 300ms.

Undergraduate Research Assistant | IU Systems Lab, Bloomington, IN
June 2023 - May 2024

- Implemented a benchmark harness in C++ comparing three concurrent hash table designs across 8 thread counts.
- Co-authored a workshop paper accepted to a regional systems symposium.
- Maintained the lab's Linux test machines, including kernel upgrades and reproducible build scripts.

EDUCATION

B.S. Computer Science
Indiana University | May 2025

- (GPA 3.7)
- Honors: Dean's List 5 of 6 semesters; CS department teaching assistant for Data Structures
- Relevant coursework: Operating Systems, Compilers, Computer Networks, Machine Learning