

James Widner

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EDUCATION

Kennesaw State University

B.S. in Computer Science,

Marietta, GA

Aug. 2023 – May 2026

EXPERIENCE

Software Engineering Intern

Trax RFID

Summer 2024

Alpharetta, GA

- Contributed to an RFID tracking platform using **UHF RFID** to monitor car inventory across factory lots.
- Implemented front-end features and UI components, integrating with backend APIs to support real-time asset visibility.
- Collaborated in a fast-paced startup team, gaining experience in rapid prototyping and iteration.

Software Engineering Intern

Manwe (Cybersecurity Consulting Firm)

Summer 2025

Canton, GA

- Conducted basic penetration testing and stress testing on client systems to identify vulnerabilities and performance bottlenecks.
- Assisted with bug fixes, wrote unit tests, and contributed to improving code quality through reviews and daily standups.

PROJECTS

Bulletin Generator | *Python, SQLite, Docker, docx templating, JavaScript*

Jun. 2025 – Aug. 2025

- Automated weekly Anglican bulletins by dynamically populating **.docx templates** with lectionary readings, psalms, hymns, and prayers from the 1928 BCP.
- Built a **SQLite database** keyed to liturgical dates to fetch the appointed texts.
- Added template hot-swapping, enabling users to switch bulletin layouts or add custom sections without code changes.
- Packaged as a Slack bot with a setup wizard for deployment on a QNAP NAS server.

Cr8ova — Music Creator Platform | *React, Node.js, PostgreSQL, REST APIs*

May 2025 – Present

- Developed a platform for artists to share content, connect with other creators.
- Implemented authentication, content upload, and social features using **React** and **Node.js**.
- Built responsive UI and backend APIs supporting media streaming and community interaction.

OTHER EXPERIENCE

Bike Shop Technician

Cartersville Bike Shop

Mar. 2025 - Jul. 2025

Cartersville, GA

- Performed tune-ups, repairs, and full builds of customer bicycles, ensuring safety and quality.
- Delivered customer service and product recommendations, balancing technical expertise with client needs.

Lifeguard

Cherokee Aquatic Centre

2022 – 2023

Canton, GA

- Monitored pool area to prevent accidents and ensure patron safety.
- Assisted with pool maintenance, including water pH testing and cleaning.

TECHNICAL SKILLS

Languages: Go, Java, C, Python, SQL, JavaScript

Frameworks: WebAssembly (WASM), React, Node.js

Developer Tools: Git, Docker, VS Code, Visual Studio, Vim, IntelliJ, Android Studio

Libraries: pandas, NumPy, Matplotlib, Flask, Express.js