

Jacob Henry Sorrells

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Education

James Madison University

B.S. in Computer Science, Minor in Logic and Reasoning
Cumulative GPA - 3.1

Harrisonburg, VA
May 2026

Projects

Lifting Progress Tracker

- Developed the tracker using HTML, CSS, Bootstrap, PHP, MySQL enabling real-time data updates for users.
- Enhanced security for users accessing the tracker on the web by implementing data sanitization, user ID hashing, and SQL injection prevention.
- Developed locally using XAMP and MAMP on both Windows OS and macOS.

PII Data RAG Pipeline

- Used Lang-chain, Pinecone and python to deploy **agent workflow** to answer questions for classified documents
- Created workflow which included processing 5TB of data into vector embeddings and deployed RAG with LLMs

Skills

Languages: Java, HTML/CSS, PHP, JavaScript, Python, SQL, MySQL

Related Skills: Object-Oriented Programming, Scrum, MAMP/XAMPP, GitHub

Work Experience

Open Professional Group,

Web Application Intern

Westminster, MD

Apr 2024 - Present

- Developed web applications using HTML/CSS, PHP, and SQL, which helped me gain experience in improving user interface and functionality for potential clients.
- Enhanced coding practices through code reviews with senior developers, leading to more secure, efficient and maintainable code

Retail Sales Experience

Lowes, Walmart, Foodlion

Various Places

Aug 2020 - Present

- **Lowes:** Specialized in selling high-ticket Outdoor Power Equipment (OPE), consistently greeting and assisting every customer in the department. Contributed to an increase in sales within the inside lawn and garden department by providing excellent customer service and product knowledge.
- **Walmart:** Efficiently stocked shelves across multiple departments, ensuring accurate inventory management and product placement, resulting in 20% faster restocking times and improved store appearance.
- **Food Lion:** Unloaded and organized products from delivery trucks, unloading up to 14 pallets per shift. Maintained fully stocked shelves and ensured product availability for customers.

Extracurricular & Community Involvement

Bible Study Group Leader

- founded a Bible study group at my high school, which provided a positive environment for 10+ students to meet regularly.
- Played a key role in mentoring peers, helping them stay out of trouble, and encouraging personal growth and giving back to the community.

Young Life

- Actively promoted Young Life club nights, helping the organization grow its attendance from a single attendee (myself) to over 20+ people by the end of the year.
- Created a welcoming atmosphere where high school students could play games, make new friends, and connect with mentors for guidance and support.
- Contributed to establishing a lasting presence for the organization, with a continued increase in attendance over the years.