

Madison Miller

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EDUCATION

Michigan State University | East Lansing, MI

Graduation: May 2026

3.696 GPA

- *Bachelor of Science, Computer Science*
- *Honors College | Dean's List*
- *Minors: Graphic Design and Business*

WORK EXPERIENCE

United Wholesale Mortgage (UWM) | Pontiac, MI

May 2025-August 2025

Software Developer Intern

- Contributed to the development of the internal financial application critical to mortgage servicing and reporting operations.
- Led the migration 25+ legacy CRON jobs to C# Azure Functions, improving uptime and reliability by 40% while eliminating manual scheduling.
- Contributed to high-availability, distributed services by containerizing backend apps with Docker, ensuring scalable and consistent deployments across environments.
- Leveraged SQL to extract and transform high-volume datasets, enabling real-time reporting and data accessibility across key business units
- Re-architected 4 internal platform modules from Mythril to React, improving UI responsiveness by 60% with modernization.
- Operated in a rotating Agile pod (Dev, QA, BA, PO), completing 5+ sprints and delivering production-grade features across the full software development lifecycle.
- Gained hands-on experience with version control (Git), CI/CD workflows, and large-scale enterprise development in a collaborative engineering team.

Michigan State University Men's Basketball Office | East Lansing, MI

August 2022-Present

Student Assistant

- Supporting recruiting logistics, managing ARMS database, formatting internal documents, and secretarial duties.
- Coordinate with staff and maintain professionalism in a fast-paced, high-profile athletic department.

Eagle Eye Golf and Banquet | Bath, MI

March 2021-August 2023

Outside Guest Services and Beverage Cart

- Delivered high-quality customer service and managed food/beverage sales.
- Handled inventory, POS systems, and conflict resolution with professionalism.

PROJECTS & LEADERSHIP

- Took leadership roles in my Object-Oriented Software Development and Introduction to C++ courses by delegating, organizing team meetings, and communicating to complete projects with high quality.
- Designed user interfaces and implemented backend logic for academic software projects.
- Former Captain, Varsity Golf and Floor Hockey teams (East Lansing High School).

AWARDS & HONORS

- 2022 John & Sarah Hannah Scholarship – Given to high achieving students in the Michigan State Honors College.
- Von Ehr Scholarship – Awarded to High Achieving College of Engineering students that submitted essays about the relationship between engineering and the economy, heavily focusing on the United States' free market and the opportunities it brings to innovation.

TECHNICAL SKILLS

- **Software Languages:** C++, Python, C#, Java, SQL, JavaScript, HTML, React, Assembly
- **Tools & Platforms:** Git, Jira, Docker, Azure, Linux, Visual Studio, VS Code
- **Methodologies:** Agile, Scrum, CI/CD
- **Languages:** English – Fluent, Spanish – Limited Proficiency

NOTABLE CLASSES

- Algorithms and Data Structures
- Database Systems
- Object-Oriented Software Development