

# Declan Cain

[declan.cain04@gmail.com](mailto:declan.cain04@gmail.com) | <https://declancain.dev> | +1 (630) 280-7040 | Madison, WI 53703

## SUMMARY

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Highly motivated student of computer science and mathematics with a history of academic success and experience in software engineering and full-stack development. Skilled in designing, developing, and optimizing applications while maintaining a positive user experience. Seeking a software developer internship to utilize my technical and problem-solving skills and contribute to impactful projects.

## EDUCATION

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### University of Wisconsin-Madison

Bachelor of Science in Computer Science and Mathematics

GPA: 3.94/4.0 | Dean's List: 4/4 Semesters

Madison, WI

Sep 2022 – Dec 2025

## WORK EXPERIENCE

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### University of Wisconsin-Madison Athletics

Software Engineer Intern

Madison, WI

Jul 2024 – Present

- Designed and engineered full-stack solutions using the .NET framework and the MVC design pattern, improving the user experience of over 400,000 monthly users.
- Worked effectively within a software development team of 10 professionals, coordinating projects, and collaborating on full-stack solutions to create high-quality applications.
- Optimized existing code and helped refactor legacy systems and applications used by over 800 people improving inter-departmental efficiency and contributing to the modernization of the department's technology infrastructure.

### University of Wisconsin-Madison

Computer Science Instructor

Fitchburg, WI

Jan 2024 – May 2024

- Educated 16 students in Scratch programming, instilling a deep understanding of core computer science principles, resulting in all students gaining a deeper interest in computer science.
- Collaborated with the instructional team to create a curriculum and lesson plans, which enhanced the quality of the course and helped better communicate the course content.

### Village of Hinsdale

Pool Manager and Lifeguard Instructor

Hinsdale, IL

May 2023 – Jul 2024

- Managed and mentored a team of over 70 staff, providing clear instructions, regular feedback, and training to create a safe and efficient pool facility with no major incidents.
- Provided friendly service to over 200 daily guests and resolved customer issues promptly and professionally, leading to over 35 emails of positive feedback reflecting the high standard of service.

## PROJECTS

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### Lifeguard Training Website

- Developed a lifeguard training website with a user-friendly and responsive interface using HTML, CSS, and JavaScript which provided an online, engaging, comprehensive training resource used by over 40 lifeguards.

### Movie Social Media

- Engineered a full-stack social media for movie enthusiasts using the MERN stack (MongoDB, Express, React, and Node.js) providing users with an engaging platform for movie sharing.
- Created and implemented a RESTful API that integrates with external APIs to enhance functionality and streamline data access improving content accuracy and user satisfaction.

## SKILLS

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**Programming Languages:** Java, C, C#, Python, HTML, CSS, JavaScript, SQL, Node.js, React

**Concepts:** Object-Orientated Programming, Database Systems, Data Structures, Algorithms