

# Max Lewis

Aspiring Software Engineer looking to make a difference by creating impact.

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## Computer Science Graduate

I am a recent computer science graduate with substantial hands-on experience with Python, Java, and JavaScript. Perceptive problem solver with an innate ability to learn quickly and apply previous experience with original solutions to solve problems.

## EDUCATION

### Bachelor of Science in Computer Science

Lewis University, August 2019 - May 2023

GPA: 3.82/4.0 (*magna cum laude*)

- Dean's List: all four years.
- Outstanding Student Employee of the ECAMS Department for the 2022-2023 school year.
- Dr. Stephany Schlachter Excellence in Undergraduate Scholarship Award Finalist.

## PROJECTS

### QuizMaster, Spring 2023

<https://github.com/QuizMasterInc/QuizMaster> |

### Software Systems Capstone Project at Lewis University

- Designed, as part of an Agile Scrum team, a comprehensive quizzing application to keep users' minds sharp on various topics.
- Redesigned and modernized the front-end application from HTML/CSS/JavaScript to React and Tailwind CSS optimizing the user experience.
- Onboarded and mentored Juniors to develop new features and take over maintenance ensuring project continuity.
- Technologies: React, Node.js, Tailwind CSS, Google Firebase, Google Cloud Functions.

### In Theaters, Spring 2022

<https://github.com/mslew/in-theaters> | Mobile

### Application Development Final Project

- Built an Android application for users to see new movies in theaters that week.
- Designed the application to display information about the movie, resulting in an experience that allows users to browse any new movies and gauge their self-interest.
- Integrated Google services for ticket purchases, providing a holistic movie experience.
- Technologies: Android Studio, Java, IMDb API.

### An ABM of *Clostridioides difficile* in

### Healthcare Settings, Summer 2022 – 2023 |

### Mathematics Research Project

- Headed a team for the development of an agent-based model that tracks infections of *Clostridioides difficile*.
- Forthcoming publication in the Journal of Mathematical Biology, 2024.
- Technologies: NetLogo.

## SKILLS

### Programming Languages

- Proficient: Java, Python, JavaScript, SQL, HTML, CSS, NetLogo.
- Working knowledge: Go, PHP, Assembly.

### Technologies

React, Node.js, Express.js, Tailwind CSS, Bootstrap 5, Sass, Svelte, Microsoft Azure, Google Firebase.

## WORK EXPERIENCE

### Will County School District 92 | Building Custodian

August 2018 - Present | Lockport, IL

- Maintained building cleanliness per district standards for an assigned 8 classrooms.
- Collaborated with 25+ staff members to establish well-running classes and school events.

### Lewis University | ECAMS Tutor

August 2022 - May 2023 | Romeoville, IL

- Advised 30+ students in Computer Science and Mathematics.
- Collaborated with 6+ professors and 7 tutors to better aid students.

## AWARDS AND ACCOLADES

### MAA Mathfest, 2022 | Janet L. Andersen Award for Undergraduate Research & The Annual Meeting of the Illinois Section of the MAA, 2023 | Outstanding Undergraduate Research

- Recognized for creating an advanced Agent-Based model to monitor *Clostridioides difficile* infections in a hospital setting.
- Technologies: NetLogo.