Max Lewis

Aspiring Software Engineer looking to learn and create impact.
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Computer Science Graduate

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

EDUCATION

Bachelor of Science, Computer Science, Lewis University   **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.
- Schmidt Family Foundation Grant for Academic Excellence 2020-2023.

SKILLS

Programming Languages: Java (Proficient), Python (Proficient), JavaScript (Proficient), SQL (Proficient), HTML (Proficient), CSS (Proficient), NetLogo (Proficient), Go (Familiar), PHP (Familiar)
Technologies: React, Node.js, Express.js, Tailwind CSS, Bootstrap 5, Sass, Svelte, Microsoft Azure, Google Firebase

PROJECTS

QuizMaster | quizmaster-c66a2.web.app | github.com/QuizMasterInc/QuizMaster   **Jan. 2023 – May 2023**
- Designed, as part of an Agile Scrum team, a comprehensive quizzing application on a variety of topics.
- Redesigned and modernized the front-end application to React and Tailwind CSS, optimizing the user experience.
- Onboarded and mentored juniors to develop new features and take over maintenance to ensure project continuity.

Personal Blog | blog.maxlewis.dev/posts/1 | github.com/mslew/blog   **Feb. 2025 – Mar. 2025**
- Built a personal blog using Astro and Tailwind CSS, implementing responsive design, dynamic content rendering, and automated RSS feed generation.
- Integrated advanced Markdown processing with KaTeX for mathematical notation, Shiki for syntax highlighting, and automated table of contents generation while maintaining optimal performance through static site generation

An Agent-Based Model of *Clostridioides difficile* in Healthcare Settings   **June 2022 – May 2023**
- Led a team to develop an agent-based model using NetLogo.
- Monitors the incidence of *C. difficile* infections attributable to environmental conditions in a healthcare setting.
- Forthcoming publication in the Journal of Mathematical Biology, 2025.

WORK EXPERIENCE

Building Custodian, Will County School District 92   **Aug. 2018 – Present**
- Maintained building cleanliness per district standards for an assigned 8 classrooms.
- Collaborated with staff members to establish well-running classes and school events.

ECaMS Tutor, Lewis University   **Aug. 2022 – May 2023**
- Advised students in Computer Science and Mathematics.
- Collaborated with professors and tutors to better aid students.

AWARDS AND ACCOLADES

- MAA Mathfest – Janet L. Andersen Award for Outstanding Undergraduate Research   2022
- The Annual Meeting of the Illinois Section of the MAA – Outstanding Undergraduate Research   2023