

Alexander Li

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EDUCATION

University of Wisconsin - Madison

Madison, WI

Bachelor of Science in Computer Science

May 2026

- Relevant Coursework: Algorithms, Data Structures, Linear Algebra, Computer Architecture, User Interface, Computer Systems

EXPERIENCE

Full Stack Software Engineer Intern

June 2024 - December 2024

Wisconsin Athletics

Madison, WI

- Engineered a responsive UI for *UWBadgers.com* using jQuery and Bootstrap, improving load times by 25% and enhancing user satisfaction for 100,000+ monthly visitors.
- Designed and deployed REST APIs with integrated fraud protection, leveraging the .NET framework for secure, scalable functionality.
- Collaborated with a cross-functional Agile team, contributing to sprint planning and utilizing GitHub for version control and Slack for efficient communication.

Technology Intern

May 2024 – August 2024

Madison Bach Musicians

Madison, WI

- Developed and launched a WordPress-based website, integrating Square and MailChimp to enhance user experience for over 1,000 customers.
- Migrated a database of 5,000+ records from Excel to Airtable, reducing data entry time by 50% and improving data accessibility.
- Automated data entry workflows, streamlining concert scheduling and donation tracking, resulting in a 40% increase in operational efficiency.

PROJECTS

The Orange Opinion | *Next.js, Express.js, MongoDB*

- Implemented a dynamic user interface that updates daily questions in real-time, enhancing user engagement with seamless transitions and interactivity.
- Designed and implemented user profile functionality, leveraging a local MongoDB server to securely store and track user data, including individual interests
- Developed an interactive spinning wheel feature in Next.js, providing users with a randomized topic selection to assist with decision-making.

Books Library | *React, Node.js, Express.js, MongoDB, Tailwind*

- Developed a feature-rich web application enabling users to organize and manage their personal book collections efficiently.
- Integrated MongoDB for robust storage of book details, including title, author, and publication year, with endpoints thoroughly tested using Postman.
- Implemented dynamic UI components, allowing users to toggle seamlessly between card and list views for an optimized browsing experience.

TECHNICAL SKILLS

Languages: Java, Python, SQLServer, JavaScript, HTML/CSS, R, C#

Frameworks: React, Node.js, JUnit, WordPress, BootStrap, TailWindCSS, .NET

Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio

Libraries: pandas, NumPy, Matplotlib