Jonah Zimmer
he/him

ALL PROJECTS:

Portfolio: http://jzim4.github.io

Github: http://github.com/jzim4

CONTACT

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1600 Grand Ave, St Paul, MN 55105

EDUCATION

MACALESTER COLLEGE   *St Paul, Minnesota*

Major: Computer Science, Minor: Psychology   *Anticipated Graduation: May 2027*

Relevant Coursework: Object-Oriented Programming and Abstraction, Data Structures, Software Development

SKILLS AND INTERESTS

Programming languages and tools: Git, HTML, CSS, Javascript, React.js, Next.js, Node.js, Contentful , Firebase, Python, R, Java

Interests : Puzzles, knitting, crossword, baking, rock climbing, snowboarding, woodworking, soccer, tennis

RELEVANT PROGRAMMING EXPERIENCE

CHEMBOX   *Sept. - Dec. 2024*

http://jzim4.github.io/jbj

- Designed and built site that hosts several Chemistry study tools for introductory Chemistry students.
- Implemented single page web app (SPWA) with React for the site and p5.js for the interactive tools.
- Collaborated with two teammates to ensure mutual understanding and efficient division of labor.
- Received community feedback from five students and two Chemistry professors to improve usability, clarity, and aesthetics.

BST BALANCING INTERACTIVE SIMULATION   *Dec. 2024*

- Developed an interactive AVL tree simulation that visualizes rotations and addition of new data into tree data structure with color-coded balance factors to facilitate understanding of tree balancing.
- Implemented knowledge of data structure choice and OOP in Java.

LOREE'S PORTFOLIO   *Apr. - May 2024*

http://jzim4.github.io/Lorees-Portfolio

- Built and designed SPWA to display a friend's art collection according to her design, storage, and updating criteria.
- Implemented site in Javascript with Bootstrap front-end tools and Contentful API for simple content management

WORK EXPERIENCE AND COMMUNITY INVOLVEMENT

CODE FOR US, St Paul, MN

Full Stack Development Intern   *Jan. 2025 - Present*

- Designed and built SPWA using Next.js to provide access to slide decks, code, and past projects to current and prospective students of the Code for Us workshop
- Implemented server-side rendering, intuitive UI, and accessibility tool compatibility to ensure ease of use on a variety of devices

RONDO COMMUNITY LIBRARY, St Paul, MN

Homework Helper   *Oct. 2023 - Present*

- Aid students from lower school through college age in any homework needs in reading, writing, math, and science
- Create a welcoming environment where the students felt supported and gained confidence

TENNIS JUNCTION INC. Bryn Mawr, PA

Salesperson, racquet technician   *July 2020 - Aug. 2024*

- Improved customer service skills while helping customers find the equipment that works for them
- Earned Certified Stringer certification by demonstrating knowledge of equipment and proficiency in stringing and racquet maintenance