

Jonah Zimmer

he/him

ALL PROJECTS:

Portfolio: <http://jzim4.github.io>

Github: <http://github.com/jzim4>

CONTACT

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St Paul, MN 55105

EDUCATION

MACALESTER COLLEGE

Major: Computer Science, Minor: Psychology

Relevant Coursework:

Object-Oriented Programming and Abstraction, Data Structures, Software Development, Databases, Computer Systems, Algorithms, Parallel and Distributed Processing

St Paul, Minnesota

Anticipated Graduation: May 2027

SKILLS AND INTERESTS

Programming languages and tools: Git, HTML, Tailwind/CSS, Javascript, PostgreSQL, SQLite, React, Next, Node, Python, R, Java, C

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

RELEVANT PROGRAMMING EXPERIENCE

RONDO COMMEMORATIVE PLAZA BRICK PATH SITE

Jan. 2025 - Present

<https://brick-road.vercel.app/>

- Designed and built SPWA for folks to view an identical digital replica of the inscriptions on the brick path at the plaza.
- Incorporated an admin page in which plaza employees can create, read, update, and delete information about the bricks.
- Implemented site with a React front-end and Javascript backend, using Supabase for storage and user authentication.

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.

WORK EXPERIENCE AND COMMUNITY INVOLVEMENT

NETSPI, Minneapolis, MN

Jun. 2025 - Aug. 2025

Full Stack Development Intern

- Automated an hours-long vulnerability transfer workflow, cutting processing time to minutes and improving training efficiency for new consultants.
- Built seamless full-stack features with a React front-end, Django REST backend, PostgreSQL database management, Microsoft Azure user authentication, and Docker for containerization

CODE FOR US, St Paul, MN

Full Stack Development Intern

Jan. 2025 - May 2025

- 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
- Implement server-side rendering, intuitive UI, and accessibility tool compatibility to ensure ease of use on a variety of devices

REGIONS EMS EVENT TEAM, St Paul, MN

Oct. 2023 - May 2024

BLS Provider

- Provide on-site emergency medical care to attendees at large-scale venues including Grand Casino Arena, RiverCentre, CHS Field, and the Minnesota State Fair
- Perform patient assessments and deliver care within EMT scope of practice, either in the field or in designated medical aid rooms