

# Lina Iyer

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## Education

**University of Michigan - Ann Arbor**, BS in Computer Science 2027 Aug 2023 – May 2027

- **Relevant Coursework:** EECS 280: Programming and Intro Data Structures, EECS 203: Discrete Mathematics, EECS 281: Data Structures and Algorithms, EECS370: Intro to Computer Organization, EECS388: Introduction to Computer Security, EECS 482: Introduction to Operating Systems

## Work Experience and Leadership

**Code For Nonprofit**, Co-Founder 2018 – Present

- Coding Apps, Managing Updates, and Increasing Accessibility

**Student Wellness and Leadership Movement**, Co-Founder and Team Coordinator 2020 – 2023

- Led a team overseeing client communications by organizing and directing weekly meetings, delegating tasks, and conducting one-on-ones.

## Project Experience

**HFNMeditate (Github)**, Backend Developer June 2023 – Aug 2024

- Engineered a 4-week in-app meditation program using Flutter, integrating video content, user authentication, and real-time data collection via Firebase Authentication and Realtime Database to support an IRB-approved research study.

**YogaLink (Github)**, Backend Developer, Fullstack Developer May 2025 – July 2025

- Developed a full-stack booking app using Next.js (React), FastAPI (Python), and Firebase (Auth and Firestore). Integrated Yelp API for studio data, MapLibre for maps, and implemented multi-provider authentication. Delivered a modern, responsive UI with strong accessibility and scalable code.

**BLUELab Metro Solar Team**, Member September 2024 – Present

- Partnered with Willow Run Acres to engineer solar-powered picnic tables for sustainable outdoor use. Created detailed CAD designs in Fusion 360 and performed solar energy and battery storage calculations to ensure efficient power utilization.

**Behind the Bill | AI4Legislation Competition**, Full-Stack Developer and Designer May 2025 – Present

- Full-stack web application using React, NativeWind, and Node.js to fetch and visualize legislative data via the ProPublica API, allowing users to see issue-specific impacts of bills. Integrated OpenAI's GPT API for a chatbot explainer that answers policy questions in plain language.

**Designing Human-AI Collaboration for Establishing Ground Truth**,  
Research Assistant at University of Michigan May 2025 – Present

- Designing an uncluttered UI for vision/audio-based annotation and evaluating when AI models can be selectively integrated to assist annotators under Prof. David Jurgens

## Publications

**Loneliness Research Study**, Developer and Co-Author, doi:10.1111/aphw.12360 2020

**Self-Care Through Heartfulness Study**, Developer and Co-Author, 10.2196/56355 2021

**CVS Wellness Study**, Developer and Co-Author, 10.14309/ctg.00000000000000711 2023

## Technologies

**Languages:** Java, C++ , Flutter, C, JavaScript, HTML/CSS, Python, React, SQL, Tailwind CSS

**Technologies:** VSCode, Android Studios, XCode, Firebase, Git/Github