

Lina Iyer

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Education

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

- **Relevant Coursework:** Data Structures and Algorithms (EECS 281), Computer Security (EECS 388), Operating Systems (EECS 482), Programming and Intro DS (EECS 280), Discrete Math (EECS 203), Computer Organization (EECS 370)

Work Experience and Leadership

Taco, Software Engineering Intern May 2025 - August 2025

- Developed **YogaLink** ([Github](#)), a full-stack booking app using Next.js (React), FastAPI (Python), and Firebase (Auth, Firestore). Built and consumed REST APIs (Yelp, internal endpoints); designed Firestore data models with schema evolution and indexed queries. Implemented caching/metrics for reliability and performance. Utilized Git in an Agile workflow.

Code For Nonprofit, Co-Founder 2018 – Present

- Developed apps, managed updates, and improved accessibility for users.

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

- Co-led conference with 8–10 speakers, 15+ partners, and 1,000+ attendees. Led Point of Contact team, managing speaker outreach, coordination, and pre-event logistics.

Project Experience

HFNMeditate ([Github](#)), Backend Developer June 2023 – Present

- Engineered a 4-week in-app meditation program using Flutter, integrating video content, authentication, and real-time data collection. Designed database schema and optimized Realtime Database queries. Applied unit testing and debugging to ensure reliability for an IRB-approved study.

Behind the Bill | AI4Legislation Competition ([Github](#)), Third Place Winner May 2025 – July 2025

- Full-stack web application using React, NativeWind, and Node.js to fetch and visualize legislative data via the ProPublica API. Processed raw JSON data into a clean format, set up structured storage, and added caching so results loaded quickly. Integrated GPT API for a chatbot explainer.

Designing Human-AI Collaboration for Establishing Ground Truth, May 2025 – August 2025
Research Assistant at University of Michigan under Prof. David Jurgens

- Developed image annotation features for the open-source Potato Annotation tool (Python/Flask, HTML/CSS, Jinja2), integrating JSON/CSV data pipelines. Implemented dataset metadata management and versioned imports; improved scalability and I/O; added unit tests to verify annotation accuracy.

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.

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.0000000000000711 2023

Technologies

Languages: C++, Python, Dart, Java, C, JavaScript, SQL, HTML/CSS, React Native, Node.js, Swift

Frameworks and Libraries: React, Tailwind CSS, Flutter, NativeWind, FastAPI

Tools: Git/GitHub (version control), Firebase, Xcode, Android Studio, VSCode