

MITCHELL DUFFY

duffymitch12@gmail.com | mitchduffy.dev | linkedin.com/in/mitch-duffy

EDUCATION

University of Michigan, Ann Arbor

Bachelor of Science, Computer Science

Relevant Coursework: Data Structures & Algorithms, Web Systems,
Foundation of Computer Theory and Architecture, Computer Security

Graduated December 2024

EXPERIENCE

Luci

Software Engineer

February 2022 — Present

Houston, TX

- Collaborated with design and product teams to implement UI/UX improvements via Figma, based on user testing and feedback.
- Implemented SEO optimization strategies and accessibility best practices to improve visibility and user engagement.
- Reviewed and maintained the company's **front-end architecture**, increasing performance and accessibility of the marketing and waitlist pages.

University of Michigan — CAEN

July 2022 — December 2024

Front-End Developer

Ann Arbor, MI

- Develop and maintain web applications for the 13 departments of the College of Engineering, supporting affiliated projects, labs, research initiatives, faculty, and staff
- Worked directly with clients and stakeholders to enhance site performance, improve UX, and reduce support tickets.
- Built an internal JavaScript tool integrating multiple APIs to automate transcription service comparisons, reducing costs by 50%.
- Participated in Agile sprints, Git-based workflows, and peer code reviews, delivering scalable solutions for faculty and labs.

PROJECTS

Local Company Template Website → [Live Deployment](#)

May — June 2025

- Spearheaded development of a Next.js-based website template aimed at helping local small businesses modernize their web presence and reach new customers.
- Led a team using Agile methodologies (standups, sprint planning) to design a scalable, responsive showcase site tailored for shops with minimal tech experience.
- Built a lightweight CRM-style system with PostgreSQL via Prisma ORM and NeonDB, enabling seamless updates to stock and listings.
- Designed an intuitive front-end UI with TailwindCSS and modular React components, focusing on accessibility and mobile responsiveness.

Wildlife Spotter iOS App → [Demo Video](#)

January 2024

- Led a team of four developers to create a map-based social media platform, enabling users to post sightings of specific species and geotag their posts for others to visit
- Prioritized efficiency and simplicity in the app's design to ensure quick, intuitive use, allowing users to log sightings swiftly in case the animal moved away

Instagram Clone Website (Insta485)

January 2024

- Developed a full-stack Instagram clone using React (frontend), Flask (backend), and with a SQLite (database)
- Engineered a scalable REST API to abstract database access, enabling the users to perform key social media actions: logging in/out (basic authentication), posting, commenting, and liking posts

TECHNICAL SKILLS

Languages: C/C++, Python, Javascript, Typescript, Swift/SwiftUI

Databases & Tools: SQL (MySQL, SQLite, Postgres), No-SQL (Firebase Firestore, MongoDB), Figma

Frameworks & Libraries: React, Next.js, Flask, Node.js, Bootstrap, TailwindCSS, Pytest, Cypress

Other: REST APIs, Git, Agile/Scrum, UI/UX Design, Linux/Unix