

ISABELLE DONOGHUE

izzyd@umich.edu | (513) 288-0053 | Ann Arbor, MI

Portfolio: isabelledonoghue.com | LinkedIn: linkedin.com/in/isabelledonoghue

EDUCATION

University of Michigan College of Engineering

Exp. Graduation: May 2026

- **Major:** Computer Science Engineering **Minor:** User Experience Design **GPA:** 3.62/4.0
- **Relevant Coursework:** Web Systems, Data Structures and Algorithms, Programming and Intro Data Structures, Discrete Mathematics, Web Development and Accessibility, Needs Assessment and Usability Evaluation Introduction to Computers and Programming, Statistics, Linear Algebra, Multivariable Calculus III
- **Honors:** Engineering Dean's Honor List (F22 - W24), University Honors (F22 - W24)

EXPERIENCE

The Michigan Daily Web Team

January 2023-Present

Web Engineer

Ann Arbor, MI

- Leading design and development of interfaces, including a full-stack remodel of the Daily Application Portal
- Coded Freshman Orientation and Campus Life Beat websites, achieving the highest user engagement of 2024
- Engineering internal systems and collaborating across sections to enhance reader and employee experiences

Kappa Theta Pi (Professional Technology Fraternity)

August 2023-Present

Director of Website Development, App Project Manager and Developer

Ann Arbor, MI

- Managing and implementing app features, including widgets and Google Calendar integrated meeting scheduler
- Leveraging usability testing and accessibility auditing to develop an intuitive and engaging organization website

Joy Of Coding

May 2024-Present

Student Coach

Ann Arbor, MI

- Instructing 500+ high-schoolers globally in introductory coding concepts through a virtual summer program
- Developing interactive lessons to teach debugging and reinforce understanding of Python programming skills

PROJECTS

University Flower Shop Flower Finder

July 2024

- Contracted to develop a full-stack flower comparison tool with advanced data scraping from wholesale websites
- Implemented an interactive frontend, custom API, and SQL database for query-based flower data comparison

Instagram Clone

May 2024

- Engineered an Instagram clone with Python, Flask, and SQL with user management and interaction via REST API
- Enhanced static HTML with React to deliver dynamic client-side web pages, mimicking Instagram functionality

CLUBS & ORGANIZATIONS

Collaborative Lab for Advancing Work in Space

August 2022-January 2023

Web Developer and UX Designer

Ann Arbor, MI

- Designed and coded a Mission Control Center site as part of an AR project to assist astronauts on lunar missions
- Selected as one of nation's top 10 final teams at 2023 NASA SUITS challenge representing University of Michigan

Michigan Open User Experience Fellowship

January 2022-August 2023

Fellow

Ann Arbor, MI

- Explored UX Design frameworks and concepts to apply in weekly seminars and schoolwide design competitions
- Applied technical knowledge from design seminars to develop lo-fi and high-fi prototypes for social media sites

SKILLS

- C++, Python, JavaScript, SQL, React, HTML5, CSS, Matlab, Node.js, Flask, REST API
- AWS, Figma, Visual Studio Code, Git, Networking, MapReduce, Distributed Systems, Concurrency
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