# Madelyn Acton

madelynacton@gmail.com | linkedin.com/in/madelyn-acton/ | madelynacton.github.io

## EDUCATION

**Indiana University,** Bloomington, IN,                                          August 2022 - May 2026
*Bachelor of Science, Major in Computer Science, Specialization in Software Engineering*
Minors in *Human Computer Interaction & Design* and *Informatics*
Provost's Scholarship, Hutton Honors College, Dean's List Spring 2025 & Fall 2025

## WORK EXPERIENCE

**Research & Education Networks Information Sharing & Analysis Center (REN-ISAC),** Bloomington, IN      December 2025 - Present
*Usability and Accessibility Intern*
- Design and implement dashboards and interactive UI components using React and Python to enhance data visualization and user experience.
- Collaborate with backend teams to ensure seamless interoperability between front-end components and server-side data.
- Assist in designing and integrating microservices interfaces while applying usability and accessibility principles.

**Laurie Burns McRobbie Serve IT Clinic,** Bloomington, IN                        January 2023 - December 2025
*Web Design Intern → Web Design Team Lead*
- Led WordPress redesigns for local nonprofits (Indiana Phenology, Middle Way House), coordinating Agile workflows and collaborating with clients to guide UX, accessibility, and overall design direction.
- Created wireframes, prototypes, sitemaps, and style guides in Figma, translating them into responsive layouts with HTML/CSS to ensure WCAG compliance, strong visual cohesion, user-centered design, and improved SEO structure.
- Conducted accessibility audits with WAVE and Axe across 15+ community websites and delivered actionable reports to improve compliance.
- Supported community outreach through Teach IT by delivering lessons on technology and internet safety to youth at the Boys & Girls Club.

**Health & Hospital Corporation of Marion County,** Indianapolis, IN             June 2025 - August 2025
*Web Development Intern*
- Redesigned the FIMR Program website (togetherindycan.org) using Figma, WordPress, and CSS, improving navigation, accessibility, and visual design while collaborating with program managers to translate public health initiatives into user-centered content.
- Implemented analytics and SEO tools to track engagement and recommend data-driven improvements, boosting site traffic and usability.

**iCode School,** Fishers, IN                                                      May 2023 - August 2023
*Technical Lead/Instructor*
- Led STEM lessons and guided students through programming concepts, game modding, and 3D printing, helping them develop problem-solving and computational thinking skills.

## PROJECTS

**Personal Portfolio Website** – Programmed a live responsive portfolio with HTML, CSS, and JavaScript to showcase projects and skills
**Ministry of Jokes (MoJ)** – Full-stack web app using Python (Flask), HTML, CI/CD via GitHub Actions. Features include user registration, joke submission and rating, admin panel with user/joke management, site-wide activity logging, and automated testing.
**Angband Monster File Editor** – Python CLI tool for editing monsters in the game Angband. Supports search, attribute editing, validation, and saving with backup, improving efficiency and accuracy for game data management.

## SKILLS

**Programming Languages:** Java, JavaScript, HTML, CSS, Python, C, R
**Web Development & CMS Tools:** React, Angular, Node.js, Flask, Bootstrap, WordPress, Wix
**Design & Prototyping:** Figma, Canva, Lucidchart, Miro, AdobeXD, Photoshop
**Databases & Query Languages:** PostgreSQL, SQL
**Version Control & OS:** Git/GitHub, Windows/macOS/Linux
**Project Planning & Agile Workflow:** Agile Methodologies, Sprint Planning, Kanban