

Lauren Ball (she/her)

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Education

University of Michigan, Ann Arbor

August 2020 - May 2024

- Computer Science B.S. with a minor in Digital Studies

Professional Experience

Cybersecurity SWE Intern

June 2022 - August 2022

Northwestern Mutual, Milwaukee

- Full stack developer for NM's IAM department, where I helped implement an internal site managing MFA profiles
- Created back-end API calls using Spring framework and UI features in React
- Daily workflow with GitLab, pipelines, Kubernetes, Dockerfiles, Azure AD

Figure Skating Choreographer

June 2021 - Present

Detroit Skating Club (2021), Self-Employed (2021-), Metro Detroit

- Coach and choreographer at the Detroit Skating Club, a facility recognized for producing World and Olympic competitors, where I was the youngest member on staff

Renew CS Mentor

March 2023 - August 2023

School of Information, Ann Arbor

- Focused CS tutoring resources towards women and non-binary students
- Hosted 1-on-1 mentoring sessions for students in EECS 183, an introductory programming course at U-M

SWE Intern

May 2023 - August 2023

Reddit, New York City

- Backend developer with Reddit's Ads Measurements team
- Worked alongside team architect to optimize tracking pixel infrastructure via our content delivery network with the end goal of improving accessibility for international users and advertisers
- Built out the pixel staging environment and data pipeline, regularly pushing to production

Foundational Course Initiative Student Consultant

June 2022 - Present

University of Michigan College of Engineering, Ann Arbor

- Working with a team of faculty and staff for the U-M Foundational Course Initiative to offer my perspective as an undergraduate student in the effort to redesign EECS 280, an introductory programming course
- Creating and conducting surveys, organizing panels, and brainstorming new approaches to course material

EECS 485 (Web Systems) TA

August 2023 - Present

University of Michigan College of Engineering, Ann Arbor

- Teaching lab section, hosting office hours, and carrying out other instructional and administrative duties for the course
- Course content includes full-stack web development, distributed systems, networking and security principles, etc.

Organizations

Faculty Engineering Arts Student Team

January 2022 - January 2023

Undergraduate Researcher

- Member of Dr. Marc Hannaford's project team "Learning To Code Through Embodied Improvisation"
- Developed applications using Web Audio API and Tone.js to educate users about code via the employment of music

University of Michigan Figure Skating Club

August 2020 - Present

Vice President of Finance (2022 - 2023), Senior Solo Free Dance National Competitor (2020-)

- Collecting membership fees, paying bills, booking ice time and hotels, and general bookkeeping

Skills

- **Languages:** C, C++, Python, Go, Java, Javascript, SQL, HTML/CSS