

Mason Shields

425 E Washington St. Apt 912. | Ann Arbor, Michigan, 48109

masonlshields@gmail.com | (531) 301-0239

www.linkedin.com/in/mason-shields-713613289 | masonshields.dev

Education

University of Michigan

Bachelor of Science in Computer Science

Ann Arbor, MI

August 2023-May 2027

- GPA: 3.5 /4.0
- Significant Courses:
 - EECS 388: Introduction to Computer Security
 - EECS 485: Web Development and Infrastructure
 - EECS 281: Data Structures and Algorithms
 - EECS 493: User Interface Design

Experience

Milieu Bio

Software Engineer Contractor

Ann Arbor, MI

April 2025-August 2025

- Engineered a Google OAuth system using Supabase's backend framework, scaling seamlessly across 1000's of users
- Integrated a full CI/CD pipeline into production website deployment using Github Actions and Cloudflare, drastically reducing outages and deployment issues
- Collaborated with AI coding tools such as ChatGPT and Claude in a pair-programmer format, allowing for performant and reliable code to be written at a rapid pace

Kresge Hearing Research Institute

Hearing Software Development Intern

Ann Arbor, MI

October 2023-May 2025

- Transitioning MATLAB code from a local service to a hosted platform, allowing the lab to begin work on trialing participants in a new branch of their auditory study
- Collaborated with PhD and graduate researchers to implement consistent experimental procedure lab-wide, ensuring a smooth-running study for participants and lab workers
- Studied human audio processing and aural pattern recognition from a variety of sources, expanding my knowledge base to encompass the fine details of the study

Nebraska Innovation Labs

Software Development Intern

Omaha, NE

June 2024-August 2024

- Learned PHP, Laravel, SQL, and Bootstrap within the first month of employment to quickly be able to contribute production-ready code
- Ported a company data table library from jQuery to React under guidance of a senior developer, greatly improving the control the user had over how data is presented
- Organized development tasks with team members to implement deliverables by deadlines, maintaining a culture of timeliness and very rarely failing to deliver in a timely manner

Additional Information

- **Technical Skills:** Computer Troubleshooting, Network Management, Soldering, Basic Hardware Repair
- **Certifications:** CompTIA IT Fundamentals+ (see [Credly](#))
- **Hobbies/Interests:** Retro Console Modification, Piano, Tennis, High-Fidelity Audio, Low Level Programming, Video Games, Typing