

# Mason Shields

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## Education

### University of Michigan

*Bachelor of Science in Computer Science*

**Ann Arbor, MI**

August 2023-May 2027

- GPA: 3.5 /4.0
- Significant Courses: Calculus 3, Data Structures and Algorithms, Discrete Math

## Experience

### Kresge Hearing Research Institute

*Hearing Software Development Intern*

**Ann Arbor, MI**

October 2023-Present

- 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

### National Counterterrorism Innovation, Technology, and Education Center (NCITE)

*Software Research Intern*

**Omaha, NE**

May 2022-July 2022

- Designed a cybercrime-databasing website using Django as a resource for future research, gaining vital experience in database fundamentals and design
- Managed project development through an AGILE format and regular performance reviews, establishing a timely schedule and an understanding of AGILE management

## Additional Information

- **Programming Languages/Frameworks:**
  - Most experienced: C++, HTML, Bootstrap 4/5, React.js, PHP, Laravel, JS, bash, git
  - Well experienced: C#, .NET, CSS, SQL
  - Somewhat Experienced: Python, Java
- **Technical Skills:** Computer Troubleshooting, Network Troubleshooting, HTTP, Soldering
- **Certifications:** CompTIA IT Fundamentals+ (see [Credly](#))
- **Hobbies/Interests:** Retro Console Modification, Piano, Tennis, High-Fidelity Audio, Low Level Programming, Video Games, Typing