Jonah Ableman

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EDUCATION

University of Michigan, College of Engineering | Ann Arbor, Michigan   Expected: April 2024
Bachelor of Engineering in Computer Science, Music Minor

PROFESSIONAL EXPERIENCE

Whisker | Auburn Hills, MI   May 2022 - August 2022
Software Engineer Intern
- Contributed to a full stack internal diagnostic tool using Typescript and React, decreasing customer support times by over 50% and saving the company over $20,000 a year on external software
- Handled and developed backend interactions with AWS for a network of over 500,000 devices, improving application efficiency and consumer experience
- Led development of a new feature from start to finish including design, documentation, and development
- Participated in agile methodology practices such as daily standups, code reviews, and extensive debugging in order to ensure a secure and structured environment
- Converted project codebase to use AWS CDK in order to utilize infrastructure as code and improve efficiency
- Assisted in development of new project backend, creating REST API endpoints to be utilized by over 250,000 mobile devices

PERSONAL PROJECTS

Stutter Speak VR | Richardson, Texas   May 2021 - August 2021
Lead Developer/Designer
- Built VR Application focused on assisting people who stutter with public speaking in Unreal Engine 4 with object oriented code practices, using C++ and Blueprint. Launched on the official Oculus store in August 2021
- Devoted 40 hours per week to various aspects of development such as coding, design, testing, and coordinating with others
- Collaborated with medical professional and speech pathologist, Tricia Krauss-Lehrman, on a bi-weekly basis to help shape the vision for the application
- Created various systems to save and display user data, track progress over time and provide feedback, read in custom user files, and handle physics interactions

ADDITIONAL EXPERIENCE/RESPONSIBILITIES

Shift Creator Space | Ann Arbor, Michigan
Club Lead   April 2022 - Present
- Facilitated weekly organizational meetings to plan for the future direction of the club and it's members
- Acted as a leader and facilitator for mass club meetings and as a mentor to members
- Worked 10 hours a week on exciting projects within a community of highly impassioned creatives
- Cultivated and grew new relationships with club sponsors, collaborators, and individuals such as club alumni

Michigan Hackers | Ann Arbor, Michigan
Vice President [Marketing]   June 2021 - June 2022
- Co-Led weekly mass club meetings of over 100+ students
- Hosted weekly meetings with core team in order to plan and discuss future club events
- Coordinated, organized, and hosted special events for sponsors and club members alike
- Managed social media accounts, created various marketing materials, and designed club merchandise

Embedded Systems Team Member   August 2020 - Present
- Devoted 10 hours a week to research, coding, and team development. Contributing member to large team projects
- Attended weekly meetings with team members and built on each other's ideas. Contributed to the progression of the project as well as presented my own ideas in a clear and understandable fashion

ADDITIONAL INFORMATION

Skills: C++, Python, React, Typescript, AWS, Git, HTML, CSS, Visual Studio Code, Unreal Engine, Unity, Arduino
Coursework: Data Structures, Algorithms, Discrete Math, XR and Society, Foundations of Computer Science, Computer Organization, Linear Algebra