

# Ashley Anderson

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## EDUCATION

### University of Michigan - Ann Arbor, MI

Sep 2019 - May 2023

*Majors: Computer Science BS, Information Analysis BSI*

- GPA: 4.00
- Coursework: Web Systems, Web Design & Development, User Interface, Information Environments and Work, Data-Oriented Programming (Python), Data Structures and Algorithms (C++), Foundations of Computer Science

## EXPERIENCE

### Learning A-Z - Ann Arbor, MI (Remote)

May 2021 - Aug 2021

*Software Engineering Intern*

- Designed interactive classroom pages, incentivizing students-avatar engagement
- Built custom Angular components to create class charts, enhancing student login experience
- Added settings to give teachers control over classroom design and student-avatar interaction, improving teacher and classroom experience

### University of Michigan, Psychology Department - Ann Arbor, MI

Sep 2019 - May 2021

*Project Manager (Clusters in Social Networks Project)*

- Researched how social network algorithms filter information for individuals by studying how users form clusters with others that share similar beliefs
- Programmed different social network structures and network updating options
- Collected and analyzed data through R and quantified data from participants

### Intel Semiconductor Research Corporation Fellowship - Ann Arbor, MI

May 2020 - July 2020

*Research Fellow (Analysis of Computing Education and Interactive Ebooks Project)*

- Mined data from electronic textbook log files to study student behavior on computing problems
- Evaluated success of instructional scaffolding mediated by technology and how electronic resources can better cater to each student's needs

## EXTRACURRICULARS

### Team Tech

Dec 2020 - Present

*Computer Science Sub-Team Lead*

- Collaborated with KLA-Tencor on developing a wearable device to help hearing impaired individuals receive notifications from toxic gas sensors
- Programmed Arduino to collect temperature data from user and send to a MySQL database

### Society of Women Engineers

Sep 2019 - Present

*Family Leader; SWE Mentor*

- Organized group activities to introduce new members to SWE and led orientation for members
- Facilitated recruiting events at the University of Michigan to help highlight opportunities for women in engineering

## SKILLS

### Technologies

- *Programming:* C++, C, Python, PHP, TypeScript, JavaScript, HTML, CSS, R, SQL
- *Frameworks:* Angular, AngularJS, Flask, Django
- *Tools:* Bash, IntelliJ, VS, VS Code, Xcode, Arduino IDE

### Languages

- English (Fluent), Mandarin - Simplified & Traditional (Fluent), French (Intermediate)