

## Education

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### University of Michigan — Ann Arbor

*College of Engineering | Dec. 2021 | BSE in Computer Science | Minor in Business*

#### **Notable Coursework:**

Database Management Systems.  
Introduction to Computer Security.  
Virtual Reality Design.

Data Structures & Algorithms.  
Introduction to Computer Organization.  
Electronics for Atmospheric & Space Measurements.

## Projects

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### Weather Balloon Payload

*Winter 2019*

- Designed, built, tested, and deployed atmospheric instrumentation to analyze wind shear forces experienced by commercial airliners using a high-altitude weather balloon.
- Led two person sub-team responsible for creating a custom Arduino framework in C++ for on-board sensors.
- Parsed and represented collected sensor data using C++, MATLAB, and Google Maps API resulting in "Best Overall Design" class award, voted by other students.

### Smart Mirror

*Self Project, Fall 2019*

- Integrated useful data such as time, weather, calendar, and music with a locally hosted JavaScript web page rendered by Electron and displayed through a one-way mirror.
- Utilized MagicMirror<sup>2</sup>, an open-source framework, and APIs from Google Calendar, Dark Sky, and Spotify to supply data in real time.

### Website Portfolio

*Self Project, Fall 2019*

- Created a personalized portfolio website using HTML, CSS, and JavaScript to serve as an online hub.
- Incorporated a one page design, smooth scrolling, and active header highlights depending on viewport location.
- Designed a custom Jekyll theme to showcase long project documentation in a more convenient and readable format.

## Experience

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### Desktop Support Specialist

*The University of Michigan — LSA Technology Services, MLB Team*

*March 2019 — Present*

- Performed hardware swaps/repairs on both HP and Apple computers, as well as advanced troubleshooting on Windows, MacOS, and various enterprise software.
- Refined inventory system procedure and proposed its automation using Python scripts resulting in recognition for high productivity and consistent positive feedback within MLB Team.

### Administrative Assistant

*Stage48, La Boom NY, Zamora Live!*

*July 2018 — January 2019*

- Coordinated logistics of music events at various in-house venues and festivals throughout the United States and Mexico in conjunction with other Latin music companies.
- Led initiative to implement Enterprise Resource Planning (ERP) software, directly improving efficiency and refining internal operations.

## Achievements / Extracurricular

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- Founded high-school Cybersecurity competition team. State-Ranked 34th (2016), 5th (2017), and 2nd (2018).
- Habitat for Humanity, non-profit building affordable housing. Volunteered 2016-2019.
- Extracurricular interests include rock climbing, backpacking, and photography.

## Skills

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**Programming Languages:** C++, C, HTML5/CSS, Java, JavaScript, Python, Ruby, SQL

**Frameworks/Tools:** Bootstrap, Electron, Git, MATLAB

**Software/Environments:** Adobe Creative Cloud, Linux, MacOS, Office, Windows