

Education

University of Michigan — Ann Arbor

College of Engineering | Second Year Student | Graduation: 2022 | BSE in Computer Science | Minor in Business

Notable Coursework:

Web Databases & Info. Systems (EECS 485)
Database Management Systems (EECS 484)
Programming & Data Structures (EECS 280)
Discrete Mathematics (EECS 203)

Data Structures & Algorithms (EECS 281)
Intro. to Computer Organization (EECS 370)
Virtual Reality Design (ENTR 398)
Electronics for Atmos./Space Measurements (ENGR 101)

Projects

Smart Mirror — Self Project (Fall 2019)

- Uses Electron to render a locally hosted JavaScript web page allowing integration of useful data such as the date/time, weather forecast, two-week calendar, and music displayed through a one-way mirror.
- Incorporates real-time data using APIs from Google Calendar, Dark Sky, and Spotify.
- Utilizes an open-source framework known as MagicMirror² that was refined and configured to more properly suit the intention of the project.
- Currently working on implementing real-time bus schedule alerts using UM DoubleMap API.

Website Portfolio — Self Project (Fall 2019)

- Created a personalized portfolio website using HTML, CSS, and JavaScript to serve as a hub for my projects.
- Utilizes a one page infinite scrolling design, with smooth scrolling and active header highlights depending on viewport location.
- Currently working on automating the process of publishing project documentation to portfolio using Github APIs and JavaScript.

Weather Balloon Payload — ENGR 101 Project (Winter 2019)

- Semester long group project where our team designed, built, tested, and deployed atmospheric instrumentation to analyze wind shear forces experienced by commercial airliners using a high-altitude weather balloon.
- Modeled and built a custom payload structure within mission specifications. Created custom PCB board using Altium to function as a motherboard for our instruments.
- Part of two-person subteam responsible for creating custom Arduino framework in C allowing for collection of data from on-board sensors. Parsed and represented data using C++, Excel, MATLAB, and Google Maps API.

Experience

Desktop Support Specialist

The University of Michigan — LSA Technology Services, MLB Team (March 2019 — Present)

- Tier two support service team working with faculty and staff to meet the majority of their technological needs.
- Includes performing tedious hardware swaps/repairs on both HP and Apple computers, as well as advanced troubleshooting of Windows, MacOS, and other various enterprise level software.
- Refined LSA T.S. inventory system routine, as well as proposed automation of inventory using basic scripting.
- Team has received recognition for consistent positive feedback and highest productivity within tier two support.

Administrative Assistant

Stage48, La Boom NY, Zamora Live! (July 2018 — January 2019)

- Latin music entertainment company with offices in Detroit, New York City, and Mexico City that coordinates music events at various in-house venues and festivals throughout the United States and Mexico.
- Dealt with various responsibilities ranging from IT roles to more general assistance of chief officers.
- Tasked with leading initiative to implement Enterprise Resource Planning (ERP) software to considerably improve efficiency of the company and refine internal operations.

Skills

Programming Languages: (Advanced) C++ | (Proficient) HTML5, CSS, JavaScript, C, Kotlin, Java | (Familiar) Python
Frameworks/Tools: (Advanced) Git | (Proficient) MATLAB, Android Studio | (Familiar) Bootstrap, Electron
Software/Environments: (Advanced) Windows, Linux | (Proficient) MacOS, Office | (Familiar) InDesign, Camtasia