Pedro Zamora II

734-341-8377 | pedroz@umich.edu
https://pedroz.dev | github.com/pedroz2

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 displaying through a one-way mirror allowing effortless integration of useful information such as the date/time, weather forecast, two-week calendar, and music into my morning routine.
• Integrates 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 commerical 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 recieved 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 responsibilites 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, MATLAB | **(Familiar)** Python
Frameworks/Tools: **(Advanced)** Git | **(Familiar)** Bootstrap, Electron
Software/Environments: **(Advanced)** Windows, Linux | **(Proficient)** MacOS, Office | **(Familiar)** InDesign, Camtasia