Pedro Zamora II

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https://pedroz.dev
github.com/pedroz2

Education

University of Michigan — Ann Arbor

College of Engineering | Dec. 2021 | GPA: 3.15/4.0 | **BSE in Computer Science**

Notable Coursework:

Database Management Systems.　　　　　　　Data Structures & Algorithms.
Introduction to Computer Security.　　　　　Introduction to Computer Organization.
Virtual Reality Design.　　　　　　　　　　Electronics for Atmospheric & Space Measurements.

Projects

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 MagicMirror², 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

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

- 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

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