

Axel Manzanilla Martin

FrontEnd Developer

Contact

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Summary

I am mechatronics engineering / frontend developer who enjoys doing electronics and programming projects. I have experience programming microcontrollers, web pages and android phones.

Hard Skills

- Android Studio (1 yr)
- Git (2 yrs)
- Bootstrap (1yr)
- Figma (3 mos)
- JavaScript (2 yrs)
- Python (1 yr)
- Java (6 mos)
- MySQL (2 yrs)
- API REST (1.5 yrs)
- HTML (2 yrs)
- CSS (2 yrs)
- Flask (1 yr)
- GCP (6 mos)
- Node.js (1.5 yrs)
- Vue.js (6 mos)
- React (1 yr)
- C# (3 mos)

Soft Skills

- Problem solving
- Critical thinking
- Flexibility
- Teamwork
- Creativity
- Responsibility
- Patience

Languages

Spanish - Native
English - B1

Education

Facultad de Ingeniería UADY
August 2017 – December 2022
I learned programming, electronics, and control. I also learned skills like teamwork and doing projects with a deadline. Some of the software I use during my career are AutoCAD, MATLAB, SolidWorks, LabVIEW.

Relevant experience

Prepa uno, October 2021 – May 2022

I worked for social service in a preparatory advising student on math subjects and standing in for teachers in their classes.

Full Stack Web Developer Digital House, May 2021 – November 2021

During this bootcamp I learned to design and program web pages using HTML, CSS, and JavaScript, create a web server with NodeJS, create and manage a database using MySQL, integrate API's and middleware's.

Cansat

I participated in a UNAM contest that required built a small satellite. It was planned to build the base with a 3D printer and the logic implementation with a Raspberry. The user interface was made in C# and a couple of Xbee was used for the wireless communication.

Courses and Certifications

UX Design

Crear esquemas de página y prototipos de baja fidelidad Coursera, November 2022

Primeros pasos en el proceso de diseño de UX: Empatizar, definir e idear Coursera, October 2022

Aspectos básicos del diseño de la experiencia de usuario Coursera, October 2022

Web Development

Programming with JavaScript, December 2022

Introduction to Front-End Development Coursera, November 2022

REST APIs with Flask and Python in 2022 Udemy, August 2022

Curso de Frontend Developer Platzi, October 2021

Curso práctico de JavaScript Platzi, October 2021

Curso profesional de Git y Github Platzi, July 2021

Work experience

Full Stack Developer / Wayakna / August 2022 – Present

- A web page was built using vue.js as frontend, and for the backend python
- MySQL was used for the database and sqlalchemy to facilitate operations.
- Flask was used to create routes that can be accessed from the frontend and acquire the information from the database.
- Schemas are used to manipulate the database in a more orderly way.
- The frontend was built in vue.js, it was used reactive variables, components, input validations and a routing system.
- In the developer team, this methodology is used to manage the tasks of each member and give feedback on the work they do.

Android Studio / Facultad de Ingeniería / August 2022 – December 2022

- Creation of a database in SQLite using ROOM library.
- Devise and model a layout and landscape design that is capable of to fit all types of screens.
- Use of abstract classes to handle the entities of the database.

Frontend developer / Impregnarte / January 2022 – March 2022

- Design and built a landing page for a small company that do sublimation mugs
- the page was developed in React for the frontend and Node.js for the backend.
- Calls were made to an external API to receive the information from the store's catalog.
- For the project were built reusable components that facilitate code reuse and readability.
- Hooks were used to be able to use dynamic data that changes when the user selects another product from the catalog.