Luis Xavier Pérez Miramontes | Mechatronics Engineering student

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PROFESSIONAL PROFILE

Mechatronics Engineer Student with aptitude for mathematics and experience on Software Development and Machine Learning to solve software engineering problems that can help my team or department.
I am keen to obtain an internship in which I can assist in software engineering projects using my technical background as well as organizational and leadership skills.

SKILLS

- Python
- C++
- C
- Linux, Windows
- SQL
- JavaScript
- React.js
- Flask
- Object-Oriented Programming
- Data Structures
- Git, Github
- Computer Architecture
- Bash Scripting

EDUCATION

CENTRO DE ENSEÑANZA TÉCNICA INDUSTRIAL, Jalisco, México
Bachelor's degree, Mechatronics Engineering - Aug 2021

- Specialized in Robotics.
- Thesis involved in the development of a low cost and intelligent artificial respirator.

RELEVANT EXPERIENCE

Sorting Visualizer *(personal project)*

- A visual project to see how work the main 4 sorting algorithms (merge-sort, heap-sort, quick-sort and bubble-sort). This project was developed using ***React.js***.
  https://sorting-visualizer-lxpm.web.app

Web Application "To-do List" using Python and Flask *(personal project)*

- This is a web application where you can create a To-Do list. This project was developed using ***Python*** and ***Flask*** as framework. The application has an authentication system: Log In, Log Out and Register of users. You can Create, Read, Update and Delete tasks (CRUD) using Firestore as Database.
  https://platzi-flask-task-list.ue.r.appspot.com

Artificial Neural Network using Python *(personal project)*

- Construction of an Artificial Neural Network from scratch using ***Python*** and libraries like numpy and matplotlib to visualize data. This project was meant to understand the concepts and algorithms in neural networks like "backpropagation" and "gradient descent":
  https://github.com/xavierperez21/neural_network_from_scratch_python

LANGUAGES

- Spanish (Native)
- English (Professional working proficiency)