Ronald David Martinez Marenco

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Summary

Software Engineering student with some experience through personal and academic projects, currently building and strengthening skills in Machine Learning, backend development, and web technologies. Familiar with Python for data analysis, basic ML models, automation, and AI-driven prototypes such as chatbots and introductory computer vision systems using YOLO. Working knowledge of JavaScript, HTML, and CSS for creating simple web interfaces and connecting them with backend logic. Used to experimenting, learning by doing, and turning ideas into functional (sometimes imperfect) prototypes. Actively interested in expanding knowledge in areas like applied AI, intelligent systems, data-driven applications, and real-world software problem solving. Motivated, curious, and adaptable, with a clear focus on continuous learning and technical growth.

Work Experience

Frontend Developer (Freelance) - Landing Page Project   *December 2024*

- Designed and developed a responsive landing page using React.
- Implemented reusable components and clean UI structure.
- Delivered the project according to client requirements.

Education

B.Sc. in Systems Engineering from Universidad Simon Bolivar, Colombia   *Status - In Progress*

- 1st Place in GPA - Systems Engineering Program
  GPA: 4.86 / 5.0

Honor & Awards

- NASA Space Apps Challenge - Global Nominee
  Project: Hunting Exoplanets - Developed an AI-based solution for detection of exoplanets using Python, Tensorflow, Pandas, Streamlit.
- Speaker, International AI Conference - Impact of data on the sustainability of organizations.
  Talk: Development of an application for sign detection using machine learning algorithms.
- Elite Researcher Recognition - Universidad Simon Bolivar Awarded for academic research excellence.

Skills

- **Languages:** Python, JavaScript, SQL, HTML, CSS.
- **Frameworks:** FastAPI, Flask, React.
- **AI/Machine Learning:** Tensorflow, YOLO, NumPy, Pandas.
- **Technologies:** MySQL, Docker, Github.