Contact

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📍 Mexico, CDMX

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Skills

Front-End: HTML, CSS, JavaScript, React.js, React Hooks, React Router, Next.js, Framer Motion, Styled Components.

Back-End: JavaScript, Node JS, Python, C++, C, MySQL.
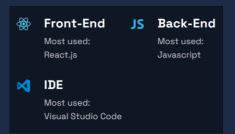
Mechatronic: ROS, Matlab, SolidWorks, LabView

OS: Linux, Windows

Cloud: Azure, AWS

Other: AI (TensorFlow), Computer Vision (OpenCV)

IDE: Visual Studio Code

Top Skills

Aarón Juárez

Mechatronic engineer, ROS, computer vision, AI and full stack developer.

Summary

I'm a Mechatronic Engineer at UPIITA from México, I love development, music and graphical design.

I worked one year and a half at Intevolution developing intelligent bots with JavaScript, Azure, and programing simple front-end interfaces. I made my social service and engineering final work at CINVESTAV Zacatenco developing with ROS some computer vision and mobile robot control nodes.

I can work stationary, hybrid and remotely (preferably), both full-time and part-time.

Please take a look at my portfolio: https://my-portfolio-rafalamao.vercel.app/

Experience

Intevolution
Software Developer
2020 - 2021 (1 year)

Education

Centro de Investigación y de Estudios Avanzados del IPN

Social service, ROS, Robotics, and Automation Engineering

(February 2020 - May 2022)

Unidad Profesional Interdisciplinaria en Ingeniería y Tecnologías Avanzadas del IPN

Bachelor in engineering, Mechatronics · (2016 - 2022)

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Centro de Estudios Científicos y Tecnológicos No. 7
"Cuauhtémoc" del IPN

Technician, Electrical installation and maintenance · (2012 - 2015)

Projects

- Simultaneous Localization and Mapping Implemented on a mobile robot for exploration disaster affected areas (ORBSLAM2 3D Map Plotter React Webpage): Web page made with React.js that has the objective of graphing a 3D point cloud hosted in a GitHub repository, data was generated with ORBSLAM2.

- Virtual Assistant: Develop of a virtual assistant inside of Intevolution, this bot helps manage the students and teachers process, using pure JavaScript and Azure services.

- Hector Quadrotor Port: Due hector quadrotor (drone simulator) only works on ROS melodic version; I generated a port to work with ROS Noetic.

- Computer vision project: Develop of a computer vision project inside of Intevolution with Python and OpenCV on a raspberry with a RTSP camera.

Languages

- English: B1
- Spanish: Native

Strengths

- Ingenuity
- Ambition
- Responsibility
- Punctuality

Interests

- Music
- Science
- Graphics design
- Technological development
- AI

Other Skills

Word

Excel

Power Point