

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

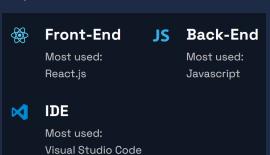
Cloud: Azure, AWS

Other: AI (TensorFlow), Computer

Vision (OpenCV)

IDE: Visual Studio Code

Top skills



Aarón Juárez

Mechatronic engineer, ROS, computer vision, Al 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 fulltime and part-time.

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

Experience

The Rocket Code - Full Stack Developer 2022 - 202X (current job)

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 (UPIITA – IPN)

Bachelor in engineering, Mechatronics · (2016 - 2022)

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

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

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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.

Published articles

- Al

- Φ Monocular 3D reconstruction of objects, using a camera on a drone.

 https://repository.uaeh.edu.mx/revistas/index.php/icbi/article/view/9272
- Φ Solving drone tasks in simulators.

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Strengths Languages - English: B1 - Ingenuity - Spanish: Native - Ambition - Responsibility - Punctuality Interests Other Skills - Music Word - Science Excel - Graphics design - Technological Power Point development