

#### Contact

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#### Skills

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

Back-End: Java, Node JS, Python, C#, C++, C.

**Mechatronic:** ROS, Matlab, SolidWorks, LabView

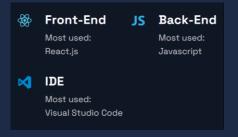
OS: Windows, Linux

Cloud: Azure, AWS

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

IDE: Visual Studio Code

## Top Skills



# Aarón Juárez

Mechatronic engineer, ROS, computer vision, IA 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-timeand 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 ReactJs 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	Strengths
- English: B1 - Spanish: Native	<ul><li>Ingenuity</li><li>Ambition</li><li>Responsibility</li><li>Punctuality</li></ul>
Interests	Other Skills
<ul><li>- Music</li><li>- Science</li><li>- Graphics design</li><li>- Technological development</li><li>- Al</li></ul>	Word Excel Power Point