# Manuel Raosari Garcia Martínez – Mechatronic Engineer

***LANGUAGES: ENGLISH*** ***www.efset.org/cert/IEdn7d***

## CONTACT


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## SOFTWARE

***Advanced:*** *Python*, SolidWorks, AutoCAD, Microsoft Office, CADe-Simu (PLC), Festo Fluidsim, LogixPro.

***Intermediate:*** PICC, Multisim, IGE.

## APTITUDES

*•I like to have initiative and be proactive, I attended a leadership course given by Cerliderh A.C.*

*•I am creative and analytical, for example, I try modifying or giving new methods, until things work as I wish. I like using tools as brainstorming.*

*I am passionate about automation projects, coding and manufacturing systems.*

## RELEVANT EXPERIENCE

***ARGA Group - Quality Engineer - Present***

As a quality engineer, I have supervised the review of welds and components in high voltage transformers VTC, OTC, VANTRAN. Ensuring their compliance with standards and customer requirements. Using plans of metalmechanics industry for cuts and welds by 6axis robots (FANUC, KETA) and operators, bent instructions and assemblies, and led a team to meet our objectives. ensuring the integrity of the transformers.

***JABIL CIRCUIT - NPI Analysis failures technician II - Apr 2022 - Aug 2023***

Maintenance, troubleshooting service and performing repairs in custom functional test machines and vision systems, reading complex electronic schematics, diagrams, customer plans, and use of measuring tools to Identify and solve hardware and software issues in electronic systems and production equipment. Ensuring that production systems and equipment are functioning properly to maximize production efficiency and quality.

***TRW ZF Chihuahua - Engineering Assistant 2020-2022***

Knowledge in SolidWorks design of fixtures for assembly lines, time taking for line balancing, creation of visual aids, design and development of tests for error-proof devices, preparation and interpretation of plans, creation and updating of Manufacturing Instructions ,LPA System, quality tools, among other maintenance activities.

## OUTSTANDING SCHOOL PROJECTS

- ***Laser CNC - 2021***

I developed a CNC code G based, capable of cutting and engraving images on materials such as MDF, plywood, glass (engraving), foamy, cork, methacrylate, etc. Using a laser diode with a precision of 0.02mm, importing SolidWorks 2020 files, this in a work area of 40x25cm.

- ***Programming KUKA Robotics - 2019/ 2020***

Through a teamwork, a programming of a 6-axis articulated robot was carried out on a prototype production line.
It was supported by a vision system controlled by Raspberry Pi4, using OpenCV to identify objects.

## SCHOOL BACKGROUND

***Universidad Tecnológica de chihuahua | 2022***
*Mechatronic Engineer*

***CBTis No. 122, Chihuahua | 2013***
*Electromechanic Technician*