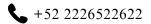
Jonatan David De La Rosa Patlan

Mechatronics Engineering Student

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in https://www.linkedin.com/in/jonatandlr/



https://github.com/Jonatandlr

EDUCATION

Tecnologico de Monterrey-Campus Mty

Bachelor of Mechatronics Engineering

Universidad TecMilenio-Campus Puebla

High School

Aug 2015-May 2018 GPA: 92/100

GPA: 93/100

Expected June 2025

EXPERIENCE

Roborregos – Representative Robotics Team of ITESM

Software Developer Nov 2022-Present

Robo Cup @Home 2023

January 2023-Present

Development together with Roborregos of a robot butler capable of doing domestic chores

- Participation in the Mexican Robotic Tournament 2023
- Development of pretrained models for object detection with Python, Yolov5 and Tensor Flow
- Automation to create datasets and Labeling through 3D files with PolyCam, Python

Robocupido 2023 January-Febraury 2023

Valentine's day activity to find friends or a partner through questions

• Development of an algorithm to create matches between people using Python

Candidates 2022

August-October 2022

Robotic competition of Roborregos to enter the team

• Development of an automated robot capable of localization and mapping for path finding with **Arduino** and **C++**

John Deere – Proyecto Moldboard Tack

Design and manufacturing

February-May 2023

Development of Moldboard Tack proposal to create curvature in laminates avoiding unwanted deformations

- Solidworks CAD design of parts and assemblies
- Materials research and selection for prototype fabrication with Ansys Grant EduPack
- Development and manufacture of a functional prototype with 1060 aluminum.

SKILL

Programming Languages:		Tecnologies	
<u>C, C++</u>	3 years	Git, GitHub, VSCode, HTML, CSS, Bootstrap, React.js, Arduino, Framer Motion, MySQL, SQL, Node.js, Next.js, Yolov5, TensorFlow,	
Python, Matlab	2 years		
<u>JavaScript</u>	1 year		
Cad Design		Arduino	
SolidWorks, OnShape	2 year	Certificate	
<u>Fusion</u>	1 year	Scrum Fundamentals Certified	By SCRUMstudy
Languages		JavaScript Course	By Codecademy
<u>Spanish</u>	Native	React Course	By Codecademy
English	B2	React Course	by Couecuaemy