Rosa del Carmen Dávila Meza

PERSONAL INFORMATION

Woman
Mexican
Guadalajara, Jalisco, Mexico
(+52) 33 2420 8506
rosa_davila_0108@hotmail.com

TECHNICAL SKILLS

- Windows
- Programming Languages C, C++, Python
- MATLAB, PROTEUS, Arduino, CoppeliaSim
- ROS (Robot Operating System)
- Robotics vision, Artificial Neuronal Networks
- Linear and Nonlinear Control
- Digital Electronics
- 3D printing

OTHER SKILLS

- Autodidactic
- Communication
- Responsible
- Fast learning
- Troubleshooting
- Positive attitude
- Teamwork
- Creative
- Initiative
- Organized

LANGUAGES

Spanish: Native - Full professional proficiency.

English: Certified by Proulex (EPT), University of Guadalajara, “Pass with merit” B1+.

WEBSITE

- https://github.com/RosaDavila/Portafolio.git
- www.linkedin.com/in/rosa-dávila-robotics-engineer

ABOUT ME

- I am Rosa, a graduate of robotics engineer, with knowledge and experience on control, electronic and intelligent systems.
- Active member of UdeG Space - Project Mars Rover.
- My objective professional is apply my technical skills and my passion for robotic and automation to develop of solutions technological that will be improve and efficient.

ACADEMIC DEGREES

BEng in Robotics Engineering

January 2021 - December 2024
University of Guadalajara
Centro Universitario de Ciencias Exactas e Ingenierías

High School

August 2016 - June 2019
University of Guadalajara
Escuela Preparatoria No.5

PROJECTS

UdeG Space - Project Mars Rover

- Control and Vision Enginner

Currently, I participate in the development, programming and maintenance of software for the control of a robotic arm, ensuring its correct operation and optimizing its performance.
August 2024 - Present

Project: Visual Control of a Mobile Manipulator for Object Manipulation

- Robotics, Control, Vision and Software Engineer

I collaborated in the development and programming of the mathematical model and control algorithms for a mobile manipulator, allowing the precise movement and movement of the robot. In addition, I participated in its conditioning and optimization.
January *2024 - November 2024*

Academic Projects

- Construction and programming of a mobile obstacle avoidant, line following and position control robot.
- Manipulating and implementing codes in a Kinova Gen3 robotic manipulator (6 DOF).
- Development and programming of planar manipulator (2 DOF).

January *2023 - May 2024*

CERTIFICATIONS

- Circuit Simulation Onramp (MATLAB)
- Simscape Onramp (MATLAB)

RECOGNITIONS

Second place in the Modular Projects competition of the Robotics Engineering career, with the project "Visual Control of a Mobile Manipulator for Object Manipulation"

December 11th, 2024
Centro Universitario de Ciencias Exactas e Ingenierías
División de Tecnologías para la Integración Ciber-Humana (DIVTIC)

Participation in the Workshop "Introduction to video game development"

February 24th, 2023
Centro Universitario de Ciencias Exactas e Ingenierías
Centro de Innovación y Emprendimiento (CIE-CUCEI)

Participation in the Workshop "Introduction to 3D Printing”

February 17th, 2023
Centro Universitario de Ciencias Exactas e Ingenierías
Centro de Innovación y Emprendimiento (CIE-CUCEI)