



# Demetrio Manuel Roa Perdomo

Biomedical Engineer

9th Semester

[demetrioroaperdomo@outlook.com](mailto:demetrioroaperdomo@outlook.com)

+52 2294873035

Manzanos 905, Apt.06, Hacienda los morales, San Nicolas de los Garza, Nuevo León, México 66495

## PROFILE

A Biomedical Engineering student, former leader of the Projects area of the Biomedical Engineering Student's Group of the UANL, with an amazing work ethic, determined to always improve, which along with an easiness in communication and control over many languages, in addition to the ability to control and manipulate cutting edge equipment, machines and technologies is determined to learn and further develop his engineering abilities and skills.

## EDUCATION

**Universidad Autónoma de Nuevo León | Monterrey, Mexico**

**August 2020 – Present Day**

Biomedical Engineering

**Colegio Cristóbal Colón | Veracruz, Mexico**

**August 2019 – June 2020**

Area of Study: Physics-Mathematics

**Guymon High School | Guymon, United States**

**August 2017 – June 2019**

General High School

## WORK EXPERIENCE

**STERIS | Monterrey, México**

**2023-Present**

*Process Validation Intern*

- I oversee the manufacturing process of sterilization machines from beginning to end, and make sure the processes follow established laws and regulations for their specific markets and adjust the process accordingly

**Autonomous University of Nuevo León | Monterrey, México**

**2023-2024**

*Administrative Biomedical Assistant*

- I worked helping on creating various data bases for the General Academic Coordination of Mechatronics and Biomedicine to analyze current and future educational programs

**Guymon Public Schools | Guymon, United States**

**2017-2019**

*Teacher Assistant for Immigrant Kids*

- I was in charge of helping kids which did not completely understand English or the content being taught so as to make sure they could keep up with their classmates pace.

## COURSES AND CERTIFICATIONS

- Mindray Training in Medical Technologies (September 10 and 11, 2020)
- Training in the course of Electrical Installations in Health Care Areas, Hospitals and Outpatient Centers (October 26, 2020 to November 2nd, 2020)
- Training in Inspection and Repair of Anesthesia Machines (May 19, 2022)
- Mindray Training in Medical Technologies (June 2nd, 2022)
- Lean Six Sigma Training (September, 2022)
- Trained in volumetric reconstruction of medical images (November 12th, 2022)
- Taught in Bionic Exoskeletons technologies and 3D Biomechanical Prostheses (September, 2022)
- PLC-Oriented Automation Course (March 2023)
- Training in Electrical Installations in Health Care Areas. Hospitals and Ambulatory Centers (May 16 to 18, 2023)

## TECHNICAL KNOWLEDGE

PTC Creo Software  
AutoCAD and Revit Software  
Programming Skills on MATLAB, Java, Python, C++, R and HTML  
SOLIDWORKS Software  
Adobe Creative Cloud Software

## LANGUAGES

Spanish (Native)	C2
English (Expert)	C2
French (Medium)	B2
Japanese (Basic)	N4