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Handshake: Graciela Lebron
Indeed: Graciela Lebron

To use my knowledge of Biomedical engineering to help solve the world's most predominant healthcare challenges.

Education

Biomedical Engineering | Current | Polytechnic University of Puerto Rico | GPA: 3.86

- Relevant coursework such as Introduction to Biomedical Engineering, Static and Dynamic, Computer Design, Rehabilitation Engineering and Clinical Engineering.
- Expected graduation date: 2023.

Biology | 2017-2021 | Universidad de Puerto Rico Recinto de Mayagüez

- Relevant coursework such as Biology, Microbiology, Physics, and Cell Physiology.

Special Project

Needle Guard and Stability Port | Amgen Capstone

- Design and prototype of an assistive device that provides stability for patients when performing self-injection at home
- In charge of design of stability port and the interaction between the needle guard, especially the insertion canal.
- Creo Parametrics was used to create different alternatives for the stability port.
- Knowledge of Design, Biomechanics and Physics was used to provide a final design of the product.

Driving Pedal Extension for Stroke Patients | Polytechnic University of Puerto Rico | 2022

- Design and prototype of an assistive driving device for patients that suffer with a disability in which they can only use their left leg to work the car pedals.
- Creo Parametrics was used to create the design and rehabilitation engineering principles were used to develop the prototype.
- Knowledge from Biomechanics and Physics to determine the force applied from the leg to the pedal.

Instructor of Robotics & Programming | Techno Inventors | 2022

- Managed robotic projects using programs such as Arduino, Scratch, Blender & Stencyl.

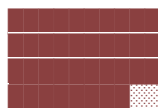
Creo Parametrics Project | Polytechnic University of Puerto Rico | 2022

- Used Creo Parametric to design various models using tools such as Extrude, Drawing Sweep & Assembly.

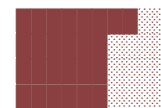
Skills

- Fluent in Spanish & English

Microsoft Word
PowerPoint
Excel
Matlab



Creo Parametrics
Stencyl
Blender
Scratch



Leadership and extracurricular

Professional Development Activities Leader | BMES | 2022

- Responsible for coordinating activities that help develop the "soft skills" of the professional.
- Organized and coordinated professional panels and informative sessions about the profession of biomedical engineering and the future developments of the profession.

Volunteer | Medlife | 2018

- Assisted in helping in the rural areas of Perú to build houses, supply food and help doctors care for their patients.
- Put my leadership skills to the test in helping organize projects like painting houses, leading a group in providing medicine, etc.