



GRACIELA LEBRON

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OBJECTIVE

Biomedical Engineer seeking an internship or co-op in medical devices design and manufacturing.

EDUCATION

University of Wisconsin-Madison

Masters of Biomedical Innovation, Design and Entrepreneurship, September 2023 – May 2025

GPA: 4.0

Selected Coursework: Tools for Prototyping and Manufacturing, Design for Rehabilitation

Polytechnic University of Puerto Rico

Bachelors of Science, Biomedical Engineering, June 2021 – May 2023

GPA: 3.86

Relevant Coursework: Computer Aided Drafting and Design, Rehabilitation Engineering and Computers in Biomedical Engineering

University of Puerto Rico – Mayagüez

Bachelors of Science, Biology, August 2017 – May 2021

GPA: 3.50

Relevant Coursework: Cell Physiology, Genetics Laboratory and Anatomy

EXPERIENCE

Academic Peer Mentoring Honor Program, Polytechnic University of Puerto Rico

Peer Mentor, August 2022 – May 2023

- Provided guidance and support to fellow students in academic matters.
- Assist students in understanding engineering course materials such as Organic Chemistry, Static and Dynamic and Draft and Design.

Techno Inventors, San Juan, PR

Robotics & Programming Instructor, May 2022 – August 2022

- Introduced programming techniques to successfully design and implement programming solutions to problems related to robotics using programs such as Arduino and Blender.

ACADEMIC PROJECTS

Needle Guard & Stability Port, Amgen, Inc. (Capstone)

- Devised and prototyped a design for an assistive device that would allow Parkinson patients to self-inject at home.
- Used Creo Parametric to model the device, identifying appropriate tools for prototype and the probability of risks.
- Produced prototype with Slic3r (3D-Printing)
- Collaborated with an interdisciplinary team of 2 undergraduate students

Driving Pedal Extension for Stroke Patients, (Rehabilitation Engineering)

- Used Cre Parametric to create 3D model of the pedal extension along with the pedals.
- Prototype was created with the materials chosen from the material analysis completed.

- Implemented techniques of Biomechanics and Physics.

LEADERSHIP

International Student Services Peer Advisor, UW-Madison

- Provided advising guidance to students in academic planning and digital tools and the appropriate campus resource referral.

Professional Development Activities Leader, Biomedical Engineering Society

- Organized and coordinated professional panels and informatic sessions about the profession of biomedical engineering and the future of the profession.

SKILLS

Prototyping: SolidWorks, AutoCAD, Creo Parametric, 3-D Printing,

Software: MATLAB, Arduino, Microsoft Excel

Global Languages: Spanish

Activities: Surfing, Ping Pong