William Quijano
609.921.5490
quijan97@students.rowan.edu

Rowan University
School of Engineering
Engineering Entrepreneurship Class of 2026

— Skills —

- CAD Design
- Product Prototyping
- SMT Soldering
- PCB Design
- SMD Soldering
- C++
- Welding
- FDM 3D Printing
- SLA 3D Printing
- Laser Cutter Operation
- Arduino IDE
- CNC

Relevant Professional Experience

Eagle Scout / *Boy Scouts of America (BSA)* / Princeton, NJ 2016-2022

- Completed Eagle Scout Project "Blue Bird Houses Skillman Park, NJ"
- National Youth Leadership Training (Summer 2018)

FarmCorp / Co-Founder/ *African Leadership Academy* / Johannesburg 2021-2021

- A company dedicated to empowering farmers in the African continent with technologies to better understand and regulate their crops

Berta Medical / Co-Founder/ *Rowan University* / Glassboro, NJ 2024-2024

- A medical company with an integrated solution to remotely monitor and diagnose patients

Mechanical Engineering Intern/Mechanical Precision/Flemington, NJ 2024-2024

- Took part in machining/programming components via vertical, horizontal CNCs as well as CNC lathes
- Performed Quality Control with a CMM machine, Digital Height Gauge and Comparator

Soft Robotics Researcher/Rowan University/Glassboro, NJ 2024-Current

- Research and development of a soft robotics system that is capable of reconfiguration and adaptation to its environment

Exoskeleton Researcher/Rowan University/Glassboro, NJ 2024-Current

- Research and development of a wearable exoskeleton that automatically detects and assists users during a fall

Mechanical Engineering Intern/Subaru/Camden, NJ 2025-Current

- Worked on various projects to assist with technical training for Subaru technicians

Engineering Portfolio: chasequijano.com

Projects:

Exoskeleton Control System Exoskeleton Research
FDM Prototyping, CAD Design, electrical/control system design, PCB design/manufacturing, Python 2024-Current
Modular Soft Robotics System Soft Robotics Research
FDM Prototyping, CAD Design, electrical/control system design, PCB design/manufacturing 2024-2025
ROS-Based Autonomous Robot Independent Research
FDM Prototyping, CAD Design, ROS, electrical/control system design 2024-2024
ECG Development Kit Berta Medical R&D
FDM Prototyping, CAD Design, PCB Design, Firmware Development, MQTT Protocol 2024-2024
Wearable ECG Berta Medical R&D
FDM Prototyping, CAD Design, PCB Design, Firmware Development, MQTT Protocol 2024-2024
Balancing Robot Independent Research
FDM Prototyping, Sensor Fusion, Real-time control, signal processing, feedback systems 2024-2024

Leadership

Eagle Scout Senior Patrol Leader **2021 - 2022**
The School for Ethics and Global Leadership, Johannesburg, South Africa **2021 - 2021**
Rowan Society of Military Engineers Senator **2024 - Ongoing**