

Lemuel R. Ríos Santiago

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EDUCATION:

University of Puerto Rico, Mayagüez Campus

Expected Graduation: December 2026

Bachelor of Science in Industrial Engineering / Curricular Sequence in International Relations

RELEVANT COURSEWORK:

- Applied Industrial Statistics
- Computer-Based Information Systems
- Work Systems Design
- Cost Management
- Engineering Materials
- Manufacturing Processes
- Fundamentals of Electrical Engineering II
- Algorithms and Computer Programming

TECHNICAL/NON-TECHNICAL SKILLS:

- Excel, VBA, Minitab, Python
- Lean Six Sigma, Process Improv.
- Project Planning, Smartsheet
- SQL, GitLab
- Word, PowerPoint
- Bilingual (English / Spanish)

PROJECTS/RESEARCH:

NASA's RASC-AL Competition

Human Integrated Design (HID) Division Leader

August 2019 – June 2020

- Led the HID Division in a 4-member team working on the EMPRESS: Exploration Multipurpose Rover for Expanding Surface Science project, focusing on physiological considerations, human factors, and risk mitigation for rover crew interaction.
- Designed an ergonomic seat with handholds and a Thermal Micrometeoroid Garment seatbelt for the EMPRESS rover.
- Managed deadlines and coordinated with NASA professionals, leading to a first-place overall finish in the South Pole Rover theme of the RASC-AL competition. Presented the EMPRESS project to industry experts at the AIAA ASCEND conference.

EXPERIENCE:

NASA's Glenn Research Center

AETC Data & Analytics Intern

January 2024 – May 2024

- Developed a calculator tool in Dataiku, later transferred to Visual Studio Code, cutting analysis time by 15%.
- Designed and optimized 3 user-friendly GUIs, improving interaction efficiency by 20%.
- Used GitLab Workflow to facilitate team collaboration, reporting progress daily.

NASA's Kennedy Space Center

EGS Human Systems Integration Intern

August 2023 – December 2023

- Coordinated Human Factors and Human Rating programs for key systems, ensuring compliance with NPR 8705.2.
- Updated Pre-Launch Crew Ingress reference guides, integrating feedback from team leads.
- Led weekly HSI team meetings, reporting on crew ingress testing and risk mitigation progress.

Claro Puerto Rico

EHS (Environmental, Health, and Safety) Intern

June 2023 – August 2023

- Collected and uploaded data from 3 buildings into GENETEC, creating evacuation routes using AutoCAD.
- Applied OSHA standards and ergonomics, reporting progress through daily briefings.

Amgen Manufacturing Limited (AML 6)

Business Performance Co-Op

February 2022 – November 2022

- Trained 27 staff (90% of the target) on error prevention tools like 5 Whys and Six Boxes.
- Created Smartsheet dashboards to track metrics and deviations, increasing task completion by 20%.
- Presented updates weekly, contributing to a 30% reduction in deviation events.

NASA's Kennedy Space Center

Data Mining & Knowledge Discovery Intern

August 2020 – December 2020

- Developed a VBA tool to search many files, significantly reducing search time by 40%.
- Conducted weekly project check-ins, improving tool performance by 15% through feedback.
- Integrated ergonomic principles into the tool's GUI, improving user satisfaction by 25%.

VOLUNTEER EXPERIENCE:

Coquí Career Consulting

Founder & Speaker

February 2020 – Present

- Conduct workshops on LinkedIn, resume building, portfolio creation, public speaking, internships, and personal branding.
- Collaborate with 25+ student organizations and external organizations through online and in-person workshops.

MEDLIFE Movement

Chapter Leader

August 2019 – May 2020

- Completed 4 hours of beach cleanup in Mayagüez, PR; recognized as Member of the Month (Aug–Sep 2019) for collaboration in chapter activities.
- Volunteered 40 hours in Tena, Ecuador, serving 504 patients, offering workshops, aiding long-term development, and conducting health clinics in Maricao, PR.

CERTIFICATIONS & SPECIALIZED TRAINING:

- Lean Six Sigma Green Belt (56 hours) Certification June 2024 – September 2024
- Project Management Fundamentals (24 hours) Course June 2023 – July 2023

ACTIVITIES/AWARDS:

- Hispanic Scholarship Fund (HSF) Scholar June 2021