

# Ricardo Hernández

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## WORK EXPERIENCE

### Engineer II, Data Analytics– Collins AEROSPACE

Aug 2025 – Current

Aguadilla, PR

- Automated data pipelines using Python and SQL, reducing manual reporting time by 40% and increasing data accuracy.
- Presented actionable insights to leadership, influencing capital investment decisions and long-term reliability strategies.
- Collaborated with team members to create data visualizations for data reporting readiness.

### Engineer I, General Engineering – Collins AEROSPACE

Mar 2024 – Aug 2025

Aguadilla, PR

- Collaborated with cross-functional teams to improve efficiency and quality, utilizing Lean Six Sigma principles and data analysis.
- Designed and built Power BI dashboards for bottleneck analysis, increasing operational efficiency by 15%.
- Created automated workflows using PowerAutomate and JSON programming to eliminate unnecessary manual labor.
- Automated task assignments using data-driven systems, streamlining workflows and reducing manual intervention.
- Standardized processes by developing consistent workflows, reducing process variation and enhancing quality.

### Analyst – Honeywell AERO

May 2023 – Mar 2024

Aguadilla, PR

- Created and managed a yearly master schedule for a team of 7 members using MS Project, improving project timeline visibility and ensuring on-time delivery of 95% of milestones.
- Led pricing quality improvement project, using Power BI tool, which resulted in the detection of 6,000+ incorrect prices.
- Utilized Project Management and Lean Six Sigma tools to improve projects process productivity and quality.
- Developed PowerApps App for contract pricing to reduce wasteful file creation and improved team productivity.
- Conducted yearly excel pricing escalation matrix analysis of over 200,000-part numbers across 7 catalog tables.

### Intern (Bachelor's)– Honeywell AERO

May 2022 – May 2023

Aguadilla, PR

- Automated catalog updates for 200,000+ entries, removing 60,000+ inactive parts and optimizing data accuracy.
- Reduced pricing errors by 75% through quality checks and process optimization.
- Assisted engineering teams in implementing Lean Six Sigma methodologies to improve productivity and project quality.

## EDUCATION

### Bachelor of Science - University of Puerto Rico

Completion: May 2023

Industrial Engineering Major – Mayaguez, PR

- Relevant Coursework: Mechanics of Materials, Applied Industrial Statistics, Work System Design, Design and Analysis of Production and Inventory Management, Statistical Quality Control, Engineering Economical Analysis, Cost Management, Facilities Layout & Design, Scheduling Resources, Real Time Process Control
- Project Management Minor Certificate

### Master of Science – Kennesaw State University

Completion: Dec 2026

Software Engineering Major – Kennesaw, GA

- Relevant Coursework: SWE & Computational Thinking, Foundations of Programming

## PROJECTS

### Manufacturing System Design – University of Puerto Rico

Jan 2023-May 2023

MC Green Solutions. Florida, PR

- Analyzed performance using simulation tools (MATLAB), identifying potential areas of improvement, and proposing improvements/simplifications as necessary
- Provided strategic and technical leadership on product lines while collaborating with fellow students
- Designed and analyzed current layout performance using AutoCAD, identifying areas for improvement
- Proposed new layout design to plant management with improvement cutting haulage distance by 52

## SKILLS

- Technical Expertise: GD&T, Data Analysis, Process Improvement, SAP, TeamCenter, MS Project
- Familiarity: Java, SQL, C, C++, JSON, Python
- Tools: Power BI, PowerApps, Power Automate, AutoCAD, SketchUp, Minitab, Sharepoint, MS Forms
- Languages: Bilingual (Spanish/English)
- Soft Skills: Problem-Solving, Customer Support, Communication, Process Optimization

## ADDITIONAL QUALIFICATIONS

- Excellent written and verbal communication skills, with experience in customer-facing roles.
- Proven ability to address technical challenges and recommend tailored solutions to meet customer needs.