

# Leonardo Paez

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## Work History

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### GE Aerospace

May 2022 - Present

Manufacturing Engineer

- Created and programmed an interactive inventory using Excel and Visual Basic (VBA) to keep track of safety equipment and distribution.
- Supported manufacturing team by providing technical expertise and troubleshooting assistance.
- Collaborated with cross-functional teams to ensure successful integration of new systems.
- Participated in design reviews and provided input for recommendations to improve safety measures.
- Produced technical drawings with specifications outlined with GD&T guidelines.

### University of Texas Rio Grande Valley

June 2021–May 2022

Robotics and Automation Research Assistant

- Designed and developed mechanical systems along with components using SolidWorks.
- Prepared Bills of Materials (BOM) for projects and prototypes.
- Produced, assembled, and troubleshooted prototypes.
- Conducted analysis and simulations using Simulink and MATLAB

### TS Tech NA Trim

Sep 2019–June 2021

Lab Technician

- Lead the night shift lab technician team.
- Organized workflow of the lab by setting up project priorities, setting up goals, and assigning workstations.
- Confirmed product performance and standards through various mechanical testing methods.
- Created and set up Excel spread sheets programs to keep track of product quality.
- Used root cause analysis methods to identify and resolve mechanical issues.

## Certifications

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- AC/DC Motors Control, South Texas College – 2023
- GD&T Basics Fundamentals, Engineering Essentials – 2022

## Skills

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- Programming Languages: Python, C++, SQL, HTML, JavaScript, CSS
- Other: CAD (SolidWorks, Fusion 360, Autodesk Inventor), MATLAB (Simulink), Ansys (FEA Analysis), Additive Manufacturing, Microsoft Excel (Expert), Microsoft Word

## Education

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### University of Texas Rio Grande Valley

Bachelor of Science in Mechanical Engineering

2016–2019

GPA: 3.5/4.00