

## ABOUT ME

Hardworking Mechanical Engineering student graduating in December 2025 from Inter American University of Puerto Rico, Bayamón Campus. Highly driven, self-taught in CAD design, FEA simulation, and technical automation. Known for pushing beyond expectations and consistently delivering more than required. Builder of tools, apps, and systems that solve real problems—especially passionate about design, innovation, and learning by doing.

## EDUCATION

### BACHELOR'S DEGREE (EXPECTED DEC 2025)

Mechanical Engineering  
Inter American University of  
Puerto Rico – Bayamón Campus  
GPA: 3.2

## REFERENCE

### Prof. Omar Meza, Ph.D.

Professor – Mechanical Engineering Dept.

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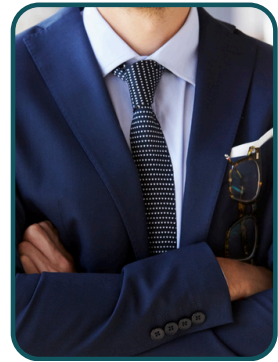
✉ omeza@bayamon.inter.edu

## INTERESTS

- Aerospace Systems
- 3D Printing
- AI Engineering Agents
- Crypto & Blockchain
- Technical Innovation
- Artificial Intelligence

# JULIÁN MARTÍNEZ

MECHANICAL ENGINEERING



## CONTACT ME

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📍 Toa Alta, PR

## PROJECTS & INITIATIVES

### UNIVERSITY OF MARYLAND – ESTEEM/SER-QUEST PROGRAM

Research Intern

- Developed an oil-water separation system using 3D-printed prototypes and SolidWorks.
- Conducted material testing and won 1st place in the program's Innovation Competition.
- Presented research findings at a national STEM symposium.

### SPOTS APP – FOUNDER & DEVELOPER

- Designed and launched a social photo memory app using React Native and Firebase.
- Built user flows, location tagging, and a dynamic photo challenge system.
- Integrated user-created albums and map-based memories to promote social engagement.

## SKILL

- **Design & Simulation:** SolidWorks, ANSYS (FEA, Thermal)
- **Programming:** MATLAB, Python, Prompt Engineering (Claude, GPT)
- **Prototyping:** 3D Printing, DFM Principles, GD&T
- **Tools:** Firebase, React Native, GitHub
- **Soft Skills:** Relentless Work Ethic, Fast Learner, Creative Problem Solving

## LANGUAGE

• English - Fluent

• Spanish - Native