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# JUAN PABLO RAMIREZ

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## OBJECTIVE

Highly driven undergraduate student looking towards a mechanical engineering internship to apply quick learning skills and become a valuable team member. Willing to relocate whether domestically or internationally in the pursue to gather professional experience.

## EDUCATION

B.Sc., Mechanical and Aerospace Engineering, Minor in Physics August 2022 - Ongoing  
New Mexico State University | Las Cruces, NM |  
Expected Graduation: December 2026 with Honors

- Cumulative GPA: 3.854
- Crimson Scholar as part of the Honors Program (Fall 2022 - Ongoing)
- Recipient of the Hadley Honors Scholarship (Fall 2022 - Ongoing)

## WORK EXPERIENCE

Tutor, Mentor, and Student Aid at Trio STEM-H May 2023 – Ongoing  
A federally funded support program at the service of disabled, first-generation, or low-income students. Currently offering tutoring (Open to all subjects but mostly focused on Math) and mentoring to students who request it as well as operating and maintaining the program's website.

## STUDENT ORGANIZATIONS

Member of the NMSU Nanosatellite Lab, working as part of the structures team for the upcoming INCA Satellite. Tasked with designing the satellite frame and components using SolidWorks and machining them in the Aggie Innovation Space. September 2022- Ongoing

Member of the American Institute of Aeronautics and Astronautics (AIAA) October 2021- Ongoing  
participating in discussions and design challenges. Tasked with designing the ordinance system of a simple interceptor missile as part of a design competition.

## PERSONAL PROJECTS

- [juanram.com](http://juanram.com) - Personal website to display more details on my personal achievements.
- Recycled laptop - Assembly of a new computer using old laptop components.
- Model Rocket from scratch - Production of model rockets, remote controls, and launch bases with as few pre-bought pieces as possible.

## SOFTWARE & CODING EXPERIENCE

- SolidWorks
- MATLAB
- Front-end Web development
- Arduino Programming
- Beginner-level JavaScript and Python
- OBS Studio and DaVinci Resolve

## SKILLS

- Proficiency on MS Office and GWS
- Soldering Electric Circuits
- Strong Logical and Mathematical Skills
- Efficiency in Team and Individual Work
- Communication and Leadership
- Quick and Efficient Learner
- Analytics, SEO, and Accessibility
- C2 Spanish Proficiency
- A2 French Proficiency
- A1 Portuguese Proficiency