
JUAN PABLO RAMIREZ

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OBJECTIVE

Highly driven undergraduate student looking towards a Mechanical Engineering position to start early 2027. Willing to relocate and experiment in new fields.

EDUCATION

B.Sc., Mechanical and Aerospace Engineering,
Minor in Physics and Mathematics
New Mexico State University (NMSU)
Expected Graduation: December 2026

August 2022 - Ongoing
Las Cruces, NM

- Cumulative GPA: 3.483
- Recipient of the Hadley Honors Scholarship

WORK AND PROFESSIONAL EXPERIENCE

Lockheed Martin CommNet Proposal Project

September 2025 – May 2026

Developed a communication satellite network proposal in a team competition as a capstone project. Tasked to develop a prototype for a 3U CubeSat alongside its associated research and simulations, while also producing an accurate risk assessment.

Las Cruces, NM

Engineering Intern (Mechanical Engineer)

May 2025-August 2025

Internship at APS Bio Group, working on colostrum powder production and plant expansion. Developed technical skills, teamwork abilities, and project management.

Phoenix, AZ

Engineering Intern (Mechanical Engineer)

May 2026-August 2026

Internship at Southwest Cheese, troubleshooting flaws in the cheese production process. Further developed technical skills and problem solving within an engineering environment.

Clovis, NM

Tutor, Mentor, and Student Aid at Trio STEM-H.

May 2023 – Ongoing

Offering mathematics tutoring and engineering mentoring to students who request it as well as operating and maintaining the program's website.

Las Cruces, NM

STUDENT ORGANIZATIONS

NMSU Nanosatellite Lab, working as part of the structures team for the INCA Satellite. Tasked in aiding the design of the satellite using SolidWorks.

September 2022- May 2025

American Institute of Aeronautics and Astronautics (AIAA) member, tasked with designing the ordinance system of an interceptor missile as part of a design competition.

October 2021- May 2025

American Nuclear Society NMSU chapter member, attending lectures and events in the spirit of increasing public interest in nuclear energy.

September 2024- May 2026

PROJECTS AND REMARKS

- juanram.com - Personal website
- Personal cloud server for file storage
- Orbit determination and observation program developed for class AE-362

SOFTWARE AND OTHER SKILLS

- CAD (SolidWorks, Fusion, Autodesk)
- MATLAB & MATLAB App Designer
- Proficiency in MS Office and GWS
- Strong Logical and Mathematical Skills
- Media & Design (OBS, Blender, PS)
- CRLA Certified Tutor
- Beginner-level Python and C++
- HTML, CSS, and JavaScript
- Experience in Linux Systems
- CPR and First Aid Certified
- Fluent in Spanish and Portuguese
- Analytics, SEO, and Accessibility