

Edith Garcia

Edithgarcia0101@gmail.com | (310) 912-0524 | www.linkedin.com/in/edith01 | DoD Secret Clearance

EDUCATION

California State University, Long Beach

December 2024

Bachelor of Science in Mechanical Engineering, Dean's List

GPA: 3.57

Awards: Dean's Leadership Academy, STEM Advantage Scholar, Toastmasters International Certificate

SKILLS

Software: SolidWorks, AutoCAD, MATLAB, Power BI, Tableau, SharePoint Site, C++

Technical: Design, Technical Writing, Failure Analysis, Manufacturing Processes, Project Management

EXPERIENCE

Northrop Grumman

June 2023 - Present

Reliability & Maintainability Intern

- Executed comprehensive aircraft data verification weekly, systematically identifying and rectifying over 200 issues, thereby ensuring occupational safety and strict adherence to quality benchmarks.
- Designed and developed a user-friendly SharePoint website for the efficient onboarding of new workers, resulting in streamlined processes and improved organizational productivity by 50%.
- Developed a training board system using SolidWorks, resulting in a 75 percent reduction in errors and subsequently increasing productivity and cost savings.

National Nuclear Security Administration

June 2022 - June 2023

Emergency Operations Intern

- Engineered an interactive Performance Tracker dashboard, utilizing data in Power BI with Gantt charts for dynamic, visually engaging performance metrics.
- Enhanced project performance evaluation by optimizing a Performance Tracker, utilizing Earned Value Management principles, and effectively monitoring Fiscal Year progress among five distinct teams.

PROJECTS

Lunabotics

Mechanical Engineering Team

- Played a key role in the assembly and construction of the rover prototype, employing SolidWorks to meticulously assemble mechanical components and fabricate parts to precise specifications.
- Spearheaded the design, development, and operation of the rover, gaining hands-on experience in systems engineering and robotics for extraterrestrial exploration, with a focus on creating detailed 3D models using SolidWorks and ensuring seamless integration of various components.

NASA Community College Scholar

Team Leader

- Collaborated within a team of seven to pioneer the conceptualization of a hypothetical Mars mission, taking the lead in designing and innovating a cutting-edge rover.
- Researched and evaluated a spectrum of equipment and instruments, critical to the triumph of the expedition, ensuring meticulous planning for a successful journey.
- Led winning team and conducted risk assessment to determine the compatibility of parts to maximize science return for the rovers.

EXTRACURRICULARS

Society of Hispanic Professional Engineers (SHPE)

August 2022 - Present

President

- Enhanced a prosperous year, by meticulously organizing personalized one-on-one meetings with over 20 board members, ensuring a profound understanding of their respective responsibilities and contributions.
- Established and maintained an inclusive and supportive community, promoting diversity and providing a platform for members to connect, learn, and grow professionally.
- Chapter involvement received Chapter of the Year Award from Professional SHPE Chapter.