

Miguel Nunez
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Education

Bachelor of Science in Mechanical Engineering May 2027
San Diego State University

Launch Virtual Academy June 2023

- Graduated with Honors, GPA: 4.03
- California Scholarship Federation (CSF) Lifetime Member / Sealbearer for sustained academic excellence and community service.
- Senior Standout Award for academic and leadership distinction.

Experience

BioMedical Engineering Society (BMES) **San Diego, CA**
Project Team Member September 2024 – Present

- Partnered with a multidisciplinary team to design and fabricate a 3D-printed prosthetic ankle using additive manufacturing techniques.
- Supported prototype testing and contributed to design iterations to enhance structural strength and functionality.

American Society of Mechanical Engineers (ASME) **San Diego, CA**
Design Team Member August 2024 – Present

- Conducted materials simulations and stress analysis for robotic arm design in preparation for the University Rover Challenge (URC).
- Collaborated with peers to optimize structural integrity and minimize component weight through SolidWorks FEA simulations.

High School VEX Robotics Team **San Diego, CA**
Co-Founder & Captain September 2022 – March 2023

- Organized a student robotics team from inception to competition, overseeing design, scheduling, and execution of robot builds for competition.
- Directed collaboration between design, mechanical, and programming subteams to ensure seamless project integration.
- Diagnosed and resolved technical issues, improving system reliability and competition readiness.

Skills

Technical: Proficient in SolidWorks, Microsoft 360, OnShape, Bambu Studio, Cura Slicer.
• Self-taught in managing and analysing 3D printer maintenance, achieving near-expert proficiency.

Languages: Fluent in Spanish; native English speaker.