

# NORMAN GONZALEZ

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## EDUCATION

**California Polytechnic State University, San Luis Obispo, CA**

Bachelor of Science in Mechanical Engineering – June 2026

**Bakersfield Community College, Bakersfield, CA**

Associate of Science in Engineering and Physics – May 2024

## SKILLS

Computer and Software	Practical Skills	Language and Courses
<ul style="list-style-type: none"><li>• Microsoft: PowerPoint, Word, Excel</li><li>• SolidWorks</li><li>• MATLAB</li></ul>	<ul style="list-style-type: none"><li>• Basic hand tool and power tool experience</li><li>• Basic woodworking</li><li>• Shielded Metal Arc Welding (SMAW or ‘Stick’ Welding)</li><li>• Proficient soldering skills and basic circuit building and electronic repair</li></ul>	<ul style="list-style-type: none"><li>• Fluent in Spanish – Oral and Written</li><li>• Dynamics I and Statics</li><li>• Mechanics I (Including Stress Transformations, Mohr’s Circle, and Buckling)</li><li>• Physics Series</li></ul>

## WORK EXPERIENCE

**Mathematics Engineering and Science Achievement Program – Peer Mentor Bakersfield, CA | Fall 2023 – Spring 2024**

- Developed graphical communication skills by routinely illustrating and summarizing physics concepts with diagrams during tutoring
- Improved communication skills by maintaining active and clear communication with superiors and colleagues from different departments within the school
- Reinforced Microsoft software use through the preparation of workshop slide presentations, frequent use of Excel for organizing and cataloging information

**Problem-Based Initiatives for Powerful Engagement and Learning In Naval Engineering and Science (PIPELINES) – Engineering Intern Port Hueneme U.S. Naval Base, CA | June 2023 – August 2023**

- Gained basic understanding of ladder logic structures by designing the architecture for the controls of a hydrogen refueling station
- Pitched potential solutions to the control architecture of the project with my peers and lead Engineer during team morning meetings

**California Renewable Energy Laboratory (CREL) Carbon Capture Project – Research Intern Bakersfield, CA | Spring 2023**

- Learned to read through academic publications by preparing my delegated section of the presentation through reading and summarizing multiple papers
- Presented the results of research and cost assessment of Enzyme Carbon Capture to potential investors through a graphical PowerPoint presentation

**Family Motors Acura – Service Technician Bakersfield, CA | August 2020 – January 2021**

- Refined visualization of mechanical systems by performing primary maintenance and upkeep, shadowing shop technicians, and conducting regular inspections of the underside and engine bay of the vehicles
- Developed communication skills by relaying messages to service advisors and superiors, translating for customers, and maintaining active communication with shop technicians

## INVOLVEMENT

**Cal Poly Racing Formula SAE**

- Designing a support member that will allow the vehicle to stay on the ground while the dampers are removed for adjustment

**Society of Hispanic Professional Engineers (SHPE)**

- Organized and facilitated academic development workshops to support community college students in STEM