

JOSEPH HERNANDEZ

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Project Portfolio: portfolium.com/jhernan9

EDUCATION

California Polytechnic State University - San Luis Obispo (Cal Poly)

Bachelor of Science in **Mechanical Engineering**, June 20xx

Overall GPA: 3.1

Major GPA: 3.3

Class Level: Junior

Moorpark College – Moorpark, CA

Associate of Arts in **Engineering**, May 20xx

RELEVANT COURSEWORK

Materials Engineering

Electronics

Thermodynamics

Manufacturing Processes

Mechanics of Materials

Mechanical Vibrations

Fluid Mechanics

Philosophy of Design

Heat Transfer

Technical Writing for Engineers

Solid Modeling

Measurement & Data Analysis

MECHANICAL ENGINEERING & RELEVANT PROJECT EXPERIENCE

Supermileage - Cal Poly

September 20xx - March 20xx

- Collaborated in a team of 10 to design an efficient prototype vehicle to compete in the Shell Eco-Marathon Americas 20xx competition
- Achieved 988.3 miles per gallon and placed 7th out of 25 teams
- Built a body mold with the use of carbon fiber composites
- Gained experience working in a culturally and academically diverse team environment

“Safe Quick Release” Bike Lock Team Project

April – June 20xx

- Led team of four engineers to design and rapid prototype a bike seat quick release lock
- Embodied the elements of the design process and applied it to an everyday problem while considering practical limitations such as labor, time, cost, and ergonomics

Technical Writing for Engineers Team Project

Jan. – March 20xx

- Collaborated in a team of three to research and write a proposal for implementing user-friendly maps in a newer building on campus to help students and visitors find rooms easier
- Researched the Baker Building and wrote 9-page proposal
- Enhanced problem solving, teamwork, written communication, and organizational skills

SKILLS

Computer: SolidWorks, C Programming, Microsoft Excel/Word/PowerPoint

Equipment: Mill, lathe, CNC, TIG welding, drill press, band saw

LEADERSHIP AND INVOLVEMENT

Society of Automotive Engineers – Cal Poly

Team Captain, Cal Poly Intramural Soccer

Multicultural Engineering Program – Cal Poly and Moorpark College

WORK EXPERIENCE

Facilitator—Cal Poly Math Workshop Program (10-12 hours per week)

Jan. 20xx - Present

- Facilitated and tutored student groups in classroom setting in various math topics
- Enhanced leadership, communication, interpersonal, and time management skills