

# Gustavo Ruiz Anaya

3327 Martin Avenue, Mojave, CA 93501 | Gustavoruiz02@outlook.com | (661) 878-6699

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## CAREER OBJECTIVE

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Engineering student with a solid ability to apply basic engineering principles to solve technical problems and clearly communicate technical concepts. I can use strong technical and troubleshooting tactics in an engineering opportunity when needed. Experience gained in previous internship and summer jobs has strengthened my responsibility and problem-solving abilities.

## EXPERIENCE

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### Handyman

Summer Student Jobs

### Mojave, CA

May 2015 – August 2021

- Painted exterior surfaces such as gates and fences.
- Performed junk removal, demolition, tree cutting, built wood fences and landscape services.
- Loaded truck and trailer properly to avoid any hazardous damage during transportation and dumping.
- Provided excellent customer service and maintained relationships.

### Northern Arizona University

SW Academic Level 3

### Flagstaff, AZ

August 2021 – December 2021

- Teachers Assistant for EGR 186 – Introduction to Engineering Design.
- Graded assignments and assisted in organization of team projects.

### CalPortland Cement Plant

Quality Control Engineer Intern

### Mojave, CA

May 2023 – August 2023

- Troubleshooted machines through FLSmidth software on Allen-Bradley Machinery.
- Cement tested to ensure daily specifications were met.
- Daily and hourly lab results reported and distributed with other departments.
- Trained new hire on daily tasks, dangers, and helpful tips around the workplace.
- Assisted lab supervisor on tasks related to sampling and testing.

### Northern Arizona University

SW Academic Level 3

### Flagstaff, AZ

January 2024 – May 2024

- Teachers Assistant for MAT 362 – Introduction to Numerical Analysis.
- Grade individual homework assignments and MATLAB projects.

### CalPortland Cement Plant

Maintenance Engineer Intern

### Mojave, CA

May 2024 – August 2024

- Reviewed engineering drawings to ensure dimensional accuracy and part compatibility.
- Oversaw contractors to verify compliance with company standards and prioritized safety on-site.
- Assisted with project budgeting and developed justifications for future CAPEX investments.
- Maintained regular communication to keep the team informed and keep projects on track.

### Formula SAE Team, Northern Arizona University

Frame-Body-Aero Lead

### Flagstaff, AZ

August 2024 – May 2025

- Designed the chassis using SolidWorks Weldments, adhering to FSAE regulations, and prototyped using PVC.
- Ordered metal tubing based on competition specifications and created cut templates using SolidWorks Sheet Metal, ensuring precision with 1:1 scale print from a plotter.
- Allocated and structured team responsibilities, overseeing tasks such as tube prepping, aerodynamic design, and FSAE deliverables, including SES documentation, to meet capstone and competition deadlines.
- Dedicated an average of 25 hours per week, ensured all designs complied with FSAE rules, and worked through winter break to lead frame manufacturing and achieve project goals.

## EDUCATION

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### Northern Arizona University

Bachelor of Science, Mechanical Engineering

Flagstaff, AZ

Expected Graduation, May 2025

#### Related Courses:

General Chemistry & Lab; Engineering Design: Process; Engineering/Science Programming & Lab; Calculus I, II, & III; Differential Equations; Numerical Analysis; Materials Science; Introduction to Engineering Design; Electrical Engineering I & Lab; Computer-Aided Design; University Physics I & II; Thermodynamics I & II; Fluid Dynamics

#### Awards:

Northern Arizona University, EGR 186 GORE Project, 1st Place in Section

Northern Arizona University, ME 286 Project 2 - Original Design & Prototyping, 3rd place in School

### Cerro Coso Community College

Online College Courses

Mojave, CA

May 2020

#### Related Courses:

Introduction to Economics; Oxyacetylene Welding; Shielded Metal Arc Welding

### Mojave Jr. /Sr. High School

High School Diploma | Valedictorian

Mojave, CA

May 2020

#### Clubs & Organizations:

ASB President (Junior Year); ASB Treasurer (Senior Year); ASB Class Vice President (Sophomore Year); Boys Varsity Soccer (All 4 Years); SkillsUSA Vice President Chapter 7 (Junior Year)

## SKILLS

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- Bilingual (Fluent Spanish; Fluent English)
- SolidWorks, MATLAB and Microsoft Office Proficiency
- Leadership: Frame-Body-Aero Lead, Formula SAE Team
- Manufacturing Techniques: Tube notching, CNC Machining, Lathe Work
- Verbal and Technical Report Writing Skills
- Project Management and Leadership Skills

## CERTIFICATIONS

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- Oxyacetylene Welding Certification
- Shielded Metal Arc Welding Certification
- 10 HR OSHA General Industry Certification
- CPR/AED/First-Aid Certification