

FULL NAME

City, CA | 559-555-5555 | username@mail.fresnostate.edu | linkedin.com/in/username

EDUCATION

California State University, Fresno (Fresno State)
B.S., Mechanical Engineering, GPA: 3.17

May 202x
Fresno, CA

Related Coursework: Fluid Mechanics, Machine Design, Thermodynamics, Product Design, Statistics and Experimentation, and Energy Systems Design

PROJECT EXPERIENCE

Team Member

Aug 202x - May 202x
Fresno, CA

Senior Capstone Design I and II

- Collaborated with 5 interdisciplinary engineering students to design robotic arm to rotate to select candy
- Programmed Arduino microcontroller to control all movements of two servo motors and a light sensor
- Modeled the arm in SolidWorks to determine the appropriate dimensions and construction materials
- Fabricated the arm using lathes and milling machines and applied TIG welding techniques

Race Team Member (Suspension Expert)

May 202x - May 202x
Gorman, CA

Fresno State Bulldog Racing (Formula SAE Fresno Collegiate Chapter)

- Troubleshoot technical suspension problems during race day
- Prepared spare suspension parts, tools, and backup suspension plan

Suspension Team Leader

Aug 202x - May 202x
Fresno, CA

Fresno State Bulldog Racing

- Managed 4-member suspension team to analyze the amount of friction between the tires and the road to provide steering stability
- Developed a process to transfer weight during cornering to reduce body roll by 75%

Research & Development Contributor

Sep 202x - Apr 202x
Fresno, CA

Fresno State Bulldog Racing

- Investigated the viability of multiple exterior designs resulting in improvement in wind drag
- Coordinated 3 seminars of professional engineers to provide input to student designs

Design Team Member

Sep 202x - Apr 202x
Fresno, CA

Fresno State Mechatronics Club

- Contributed to robotic bartender design
- Developed microcontroller control for the light and sound system using a PIC32
- Investigated and specified windshield wiper pumps to be used for beverage dispensing

INTERNSHIP EXPERIENCE

Mechanical Engineering Intern

May 202x - Aug 202x
Fresno, CA

TETER Architects & Engineers

- Designed and specified detailed parts for Fresno Unified School District central kitchen project
- Calculated preliminary & final performance evaluations on systems under supervision of Project Engineer
- Corresponded with vendors to ensure proper orders and materials would be present on-site when needed
- Performed stress analysis with classical and finite element methods

LEADERSHIP EXPERIENCE

Vice President of Marketing

Aug 202x - May 202x
Fresno, CA

Fresno State Bulldog Racing

- Scheduled and organized 25 student volunteers to help with the Career & Internship Fair
- Achieved an 87.5% of membership growth by coordinating club awareness poster and email campaign
- Participated as a member of the Executive Board to make decisions about budget and club events

TECHNICAL SKILLS

- **Engineering:** Strength testing, classical and finite element methods, strain gauges, welding tools
- **Devices & Equipment:** Lathe, milling machine, and drill press
- **Software:** AutoCAD, SolidWorks, MATLAB, Mechanical Desktop 6, Microsoft Office (Word, Excel, Project)
- **Operating Systems:** Microsoft Windows 10 and MAC OS