

# JARETT BERGER

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(858) 472-1658

San Diego, California

## EDUCATION

**Northern Arizona University** - Flagstaff, Arizona  
Pursuing Bachelor of Science, Mechanical Engineering

**Expected graduation May 2024**  
GPA 3.3

**Westview High School** - San Diego, California  
Student-Athlete in Soccer and Track & Field

**2016 - 2020**

## COMPLETED COLLEGE COURSES/PROJECT WORK

Machine Design I-II  
Heat Transfer  
Fluid Mechanics I

Mechanical Engineering Design I  
Engineering Modeling of Nonlinear Systems  
Thermodynamics I-II

**Senior Capstone Project** – Society of Automotive Engineers, Baja Collegiate Design Series Racing Vehicle  
**Drivetrain Team Member**

**August 2023 - present**

Responsible for front end integration to maximize the vehicle's power transmission and distribution systems, ensuring efficient off-road performance and reliability. Designed front gear box, including calculating correct gear ratios and shaft bearing reaction forces using MATLAB. Created a 3D print prototype CV cup and analyzed for achievement of safety factor goals.

## TECHNICAL SKILLS

SolidWorks Computer Aided Design (CAD), MATLAB, Microsoft Office (Excel, Word, PowerPoint)

## WORK AND LEADERSHIP EXPERIENCE

**Northern Arizona University Cycling Club**  
Downhill/Enduro Ride Leader

**August 2022 - present**

Duties include leading group rides and ensuring the safety of all riders. Routinely provide recommendations for improving club outreach and fundraising events. Responsible for social media communication of group ride results.

**Omni La Costa Resort and Spa**  
Housekeeping Runner (Seasonal)

**May 2023 – July 2023**

Fulfilled guest service requests and deliveries timely. Maintained inventory of housekeeping supplies and equipment.

**Lowe's Home Improvement**  
Customer Service Associate/Loader (Seasonal)

**June 2021 - August 2021**

Delivered quality customer service to meet customer needs in a collaborative team environment. Retrieved and replenished merchandise. Helped customers to load and move merchandise safely.

**Sprockids San Diego**  
Assistant Coach, Youth Mountain Biking Clinics

**2020 - 2021**

Assisted teaching students mountain biking skills through drills, games, and activities. Led adventure rides on local mountain biking trails.

**Yari Allnutt Soccer Camp**  
Assistant Coach, Summer and Winter Training Camps

**2015 - 2017**

**Rancho Penasquitos Recreational Soccer Club**  
Referee, Spring Soccer League

**2016 - 2019**