

# Adrian Montenegro

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## EDUCATION

**University of Nevada, Las Vegas, NV**

Bachelor of Science in Engineering, Civil Engineering

**Expected Graduation Date: Dec 2025**

Honors College

GPA:3.5

## TECHNICAL SKILLS

AutoCAD, SolidWorks, Microsoft Excel, Logic Pro X, Final Cut Pro, R

## ACADEMIC PROJECTS

Research Publication: Lethal Learning

**August 2022 – December 2022**

- Conducted in-depth research on the complexities of school shootings in the US, analyzing data on over 50 incidents to identify recurring patterns and contributing factors
- Emphasizing engineering-based approaches to enhance school safety and building design for risk mitigation
- Presented findings to an audience of 200+ at the Office of Undergraduate Research 2022 Fall Research Symposium

Engineers Without Borders USA: Engineering for People Design Challenge

**August 2019 – May 2020**

- Led the design of a 25-unit sustainable residential area for a Chilean community, focusing on efficient use of local materials and renewable energy integration
- Applied civil engineering principles in water management, waste reduction, and structural design, earning national recognition and a \$1,200 scholarship for innovative solutions
- Conducted site analysis, optimizing the layout for energy efficiency and reduced environmental impact, aligning with sustainable urban development goals

## ORGANIZATIONS

**The Associated General Contractors (AGC), UNLV**

**January 2024 – Present**

- Competed in the regional AGC Bridge Building Competition, applying structural design principles to create an efficient and competitive design with 3 other team members
- Actively contributed to chapter activities, organizing construction site tours and networking events with industry professionals to enhance student engagement and career development in civil engineering

**Society of Automotive Engineers (SAE) Baja, UNLV**

**August 2024 – Present**

- Contributing to the engineering and fabrication of the RR7 vehicle, focusing on the integration of a 4WD system for the upcoming Baja SAE international competition
- Collaborating with over 20+ team members to enhance our understanding of vehicle dynamics, fabrication techniques, and mechanical systems

## RELEVANT WORK EXPERIENCE

**Engineering Student Advisor, Howard R. Hughes College of Engineering, Las Vegas, NV**

**August 2024 – Present**

- Presented detailed information about state-of-the-art labs and over 10 extracurricular activities and clubs
- Led 3-4 hour tours for groups of 20+ prospective students, highlighting key opportunities for hands-on learning, research, and career preparation

**Backlit, Superbowl LVIII - Field**

**January 2024 – February 2024**

- Worked with hundreds of new people daily, coordinating technical movements and synchronization
- Committed to 50+ hours of practice leading up to the event, ensuring flawless execution during the live performance

**Guest Advocate, Target, Las Vegas Strip, NV**

**July 2023 – Present**

- Single-handedly managed 10 self-checkout machines, resolving technical issues and ensuring efficient flow
- Delivered excellent customer service to a diverse range of tourists and local shoppers, adapting to their needs in a location known for its 24/7 high customer turnover
- Assisting over 100 customers per hour in a high-traffic retail environment

## WORK EXPERIENCE

**Service Experience, Nordstrom Rack, Henderson, NV**

**June 2021 – Present**

## AWARDS/HONORS

- Dean's List Honoree: Fall 2023, Spring 2022, Fall 2020
- J Robert Sletten Civil Engineering Scholarship - \$1,000
- TRANSCEnD Civil Engineering - \$1,250
- Louis Stokes Alliances for Minority Participation Stipend Research - \$5,000

**June 2023  
November 2022  
January 2021**

## ADDITIONAL

- Languages: Native English, Native Spanish, Intermediate Italian
- Interests: Fitness, technology, music production, sports, and creative writing