

Allison Ontell

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Education:

University of Nevada, Reno

2023-Expected 2027

Bachelor of Science in Civil Engineering

GPA: 3.8

Experience:

Theta Tau Projects Chairhead

Jan 2025-Present

- Planning the project and materials needed for the project, delegate tasks to the members of the committee to assist with the project, and to stay within budget.

Theta Tau Potential New Member Community Service Chairhead

Aug 2024-Jan 2025

- Organized and hosted a successful park cleanup with about 30 participants, including Theta Tau members and potential new members, promoting environmental responsibility and collaboration with peers.

National Honors Society Leadership Officer

Aug 2022-May 2023

National Honors Society Member

Aug 2021- May 2023

- Contributed to the community by volunteering at schools and organizations, serving over 150 hours of community service. Some include cleaning parks, schools, events, decorating dances and holiday events, etc.
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Coursework:

University of Nevada Reno

2023-Present

Sustainable Infrastructure Systems: Establish an understanding of the technical, societal aspects; economic, social, environmental aspects of sustainability.

Graphics II: Introductory class that provided training in how to use and create in AutoCAD and Civil 3D

Mechanics of Solids & Statics: Develops problem solving in topics that include forces, equilibrium of force systems, friction, centroids, moments of inertia, cables, beams, fluid statics, and work.

Geology: Fundamental principles of geology: Fundamental principles of geology: tectonics, oceans, atmosphere, resources, climate.

Calculus 3 & Differential Equations: Theory and solving techniques for: constant and variable coefficient linear equations, a variety of nonlinear equations.

Academic Projects

Urban Sprawl

2024

- Composed a research paper utilizing the sources on the various impacts urban sprawl has on the surrounding environment, focusing on the urban heat island effect and walkability of urban areas within Las Vegas

Infrastructure Planning Term Project

2024

- Collaborated with a group of undergraduate engineering students to plan, sketch, and calculate the design for a commercial office building
 - Wrote narratives to explain our choices and work, along with referencing LEED v4 for Building Design and Construction
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Achievements/Skills:

United States Marine Corps Scholastic Excellence Award

May 17, 2023

- For academic achievement and leadership as a high school scholar

Program Proficiency

- AutoCad, Civil 3D, MatLab, Word, Excel, Powerpoint, LabView, Adobe Illustrator, Photoshop, Lightroom, Lightroom Classic, Google Suite, Soldering

Photography

- Proficient with the Canon R7 and EOS Canon Rebel T5 cameras