Diego Castellano
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OBJECTIVE
Pursue a Master's Degree in Environmental Engineering followed by employment as an engineering consultant.

EDUCATION
B.S. Environmental Engineering, University of Nevada Reno. Expected May 2025.
GPA: 3.6/4.00
M.S. Environmental Engineering, University of Texas at Austin. Expected May 2027.

MAJOR COURSEWORK
Environmental Engineering Systems - Principles & Design, Water Resources Engineering, Natural & Engineered Environmental Systems, Hydrology, Engineering Fluid Mechanics, Intro to Organic Chemistry, REVIT, AutoCAD, Differential Equations, Environmental Microbiology

WORK EXPERIENCE
Undergraduate Researcher: University of Nevada, Reno
October 2023-Present
- Collecting water samples from runoff in Reno area
- Quenching and testing samples
- Collaborating with professor to prepare a research manuscript
- The objective of the experiment was to understand what specific compounds resulted from three different commercial brands of disinfection tablets that are intended for backpackers who are stranded without clean water.

Public Service Intern: Nevada Department of Transportation, Las Vegas, NV.
Summer 2024
- Inspecting miles of desert tortoise fence for damage
- Using ArcGIS Pro and Excel to generate fence damage reports
- Conducting bat surveys under Nevada bridges and culverts
- Giving a presentation on excess trash and how it impacts surrounding wildlife

SKILLS
Strong and effective verbal and written communication skills; Strong human and custom relations skills. Proficient in Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Google Docs, Google Slides, Google Sheets.

DESIGN PROJECTS

A proposed design for a drinking water treatment facility for Spokane, Washington

- Collaborating with other engineering students to research the geography and flow of the Spokane River
- Designing each step of a water treatment plant, from intake to disinfection, for a treatment facility in Spokane.

A solution to remediate algal blooms in the San Francisco Bay using clay as a flocculant.

- Collaborating to conduct water resources calculations for dispersing clay
- Conducting a water quality analysis to ensure more benefit is done than harm to the San Francisco Bay ecosystem in remediating the algal blooms.

REFERENCES

David Hanigan, Ph.D., Associate Professor at the University of Nevada Reno
Tel: 775-682-7517
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Dave James, Ph.D., P.E. Professor at the University of Nevada Las Vegas
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