

# **Anna Romina Cervantes**

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## **EDUCATION**

### **Master of Science in Geological Sciences**

August 2024 – Present, The University of Texas at Austin

Cumulative GPA: 4.00 / 4.00

### **Bachelor of Science in Environmental Science, Concentration in Hydroscience**

August 2019 - December 2023, The University of Texas at El Paso (UTEP)

Cumulative GPA: 3.78 / 4.00

## **POSTERS & PRESENTATIONS**

2025. Cervantes, Anna R; Ruiz Maraggi, Leopoldo M; Moscardelli, Lorena G; Martinez-Doñate, Ander; Juez-Larré, Joaquim. “Hydrogen Storage Potential of Salt Domes in the Netherlands.” *GeoGulf 2025, Nacogdoches, TX*.

2024. Cervantes, Anna. “Navigating the Permitting Landscape for Electrolyzer Deployment: Challenges and Best Practices.” *Minority Educational Institution Student Partnership Program Closing Ceremony, Washington, DC*.

2023. Cervantes, Anna; Huerta, Nicolas; Hibbard, Leon. “Hydrogen Storage in Existing Natural Gas Storage Sites: A Geologic Perspective.” *Mickey Leland Energy Fellowship Program (MLEF) Technical Forum, Washington, DC*.

2023. Cervantes, Anna. “Geophysical Techniques for Groundwater Monitoring in Valles Caldera, New Mexico.” *UTEP Field Geophysics Course Presentation, El Paso, TX*.

2023. Cervantes, Anna; Marquez, Gerardo; Gutierrez, Dari. “Salinity Changes Along the Rio Grande: Possible Solutions for Agricultural Water Use” *UTEP Senior Project Presentation, El Paso, TX*.

2022. Cervantes, Anna; Moody, Michael; Stuns, Elizabeth. “Population Genetics of *Carex bigelowii* in the Arctic” *UTEP COURI Symposium, El Paso, TX*.

## **RELEVANT COURSEWORK**

GIS Applications in Earth Science

Energy Technology & Policy

Python for Geoscience Research

Groundwater Contamination & Reclamation

Intro & Field Geophysics

Geoscience Processes

Principles of Hydrology

Environmental Policy & Law

Intro & Field Geophysics

Ecohydrology/Biometeorology

Monitoring Regional Sustainability

Field Methods in Environmental Science

Mineralogy & Petrology

General Hydrogeology

## **CERTIFICATES**

Lab Safety Training

Radiation Safety Training

CPR Certified

## **PROFESSIONAL EXPERIENCE**

**Energy Efficiency & Renewable Energy's Hydrogen & Fuel Cell Technologies Office, U.S. Department of Energy** **May 2024 – August 2024**

*Minority Educational Institution Student Partnership Program Intern*

- Used project case studies to help identify regulations, obstacles, and technical inputs related to the installation of electrolyzers, particularly concerning water usage.
- Developed a timeline and process of the necessary rules and permits required in order to get from start to finish relevant to the effective installation of electrolyzers to further the development of green hydrogen.

**Office of Climate & Sustainability, City of El Paso** **January 2024 – May 2024**

*Climate Fellow*

- Worked on information gathering, community engagement, and research in regional communities, to develop the regions first climate action plan with a climate pollution reduction grant from the environmental protection agency.

**Pacific Northwest National Laboratory, U.S Department of Energy** **June 2023 – August 2023**

*Mickey Leland Energy Fellowship Program Intern*

- Worked alongside a mentor and project team to supplement existing datasets with geologic properties relevant to effective hydrogen storage to further develop the sustainable use of hydrogen energy.
- Developed a characterization methodology for new hydrogen storage sites by identifying what makes a productive site.
- Presented research results at the U.S. Department of Energy, MLEF technical forum.

**Department of Biological Sciences, UTEP** **August 2021 – June 2022**

*Undergraduate Researcher*

- Collected data, extracted DNA, and conducted PCR to identify genetic differences within the plant species, *Carex bigelowii*, in areas of Alaska to analyze how climate change influences its vegetation composition.
- Analyzed results alongside mentor and graduate students and presented research results as an academic poster presentation at various campus research initiatives.

**Office of International Programs and Study Abroad, UTEP** **October 2021 – May 2022**

*Student Assistant*

- Worked with fellow staff on projects and events focusing on the international student community.
- Created a program to assist incoming international students adjust to life in the U.S.
- Helped students with issues regarding their legal immigration status.

## **HONORS / AWARDS / VOLUNTEER WORK**

The University of Texas at Austin West Texas Fellowship

The University of Texas at El Paso Cum Laude

The University of Texas at El Paso Dean's List (Fall 2019 – Fall 2023)

Mickey Leland Energy Fellowship (Summer 2023)

Volunteer Equine Therapy Assistant (2018 – 2022)

## **SKILLS & TECHNIQUES**

Data Collection and Analysis

Environmental Field Work

Research

Fluent in English and Spanish

Clear and Concise Writing

ArcGIS Pro

Python

R-Studio

MATLAB

MS Office

Groundwater Well Monitoring/Sampling

X-Ray Fluorescence Spectrometer

Ground Penetrating Radar

Seismic Geophones