Education

Colorado School of Mines, Master of Science, Hydrology, December 2024 | Spring 2023 - December 2024

The University of Texas at Austin, Bachelor of Science, Geosystems Engineering and Hydrogeology, May 2018

Professional Organizations

Colorado Groundwater Association

International Association of Hydrogeologists

Certifications

Engineer Intern License Numbers: 79562 (State of CO), 74177 (State of TX)

Geoscientist in Training - Certificate No. GIT-534

Bloodborne Pathogens safety training

Adult first aid/CPR/AED

24-hour HAZWOPER training

Ana Cantu is a is a Hydrologist and Modeler specializing in GIS analysis and mining hydrogeology. Ms. Cantu uses her expertise in various coding languages to support BAS Groundwater Consulting INC (BAS) with the illustration of various data sets into visually comprehensive models, database development, numerical analysis, and communication of complex geologic data to clients.

As a graduate student, Ms. Cantu focused on monitoring and maintaining various databases and has experience in data management. She has worked in the education sector as well as hydrology, specializing most of her efforts on developing various workflows to automate tasks and improve user experiences. Ms. Cantu has been involved with projects in New Mexico, Washington, and Texas.

Areas of Expertise

- Groundwater Modeling with MODFLOW and STOMP

- GIS analysis—creation and correction of existing data

- Python programming and development

- Data collection, ArcGIS

- Geodatabase work

- Numerical analysis using MATLAB

- Microsoft office suite

References

- Thesis Advisor: Dr. David Benson, dbenson@mines.edu, ph: 303-273-3806
- Summer 2024 Supervisor and mentor at INTERA: Stephanie Tomusiak, stomusiak@intera.com, ph: 303-829-4476
- Summer 2023 Supervisor at INTERA: Lee Dalton, ldalton@intera.com, ph: 505.730.7372
- Supervisor at CABPES and mentor: Dewey Brigham, dewey.brigham@cabpes.org, ph: 720-201-6616