

Emily Sanchez

✉ emilyrsanchez7@gmail.com

EDUCATION

M.S., Biology, California State University, Fullerton

May 2018

B.S., Biological Science, California State University, Fullerton

May 2015

RELEVANT EXPERIENCE

Natural Resources Technician II

Texas Commission on Environmental Quality

July 2019 – August 2021

- Evaluated applications for Nonpoint Source (NPS) Program grants from the Environmental Protection Agency under the Clean Water Act Section 319(h).
- Managed 10 - 18 NPS contracts at a time, the largest for ~\$600,000 in federal funds; advised contractors through contract development, evaluated and maintained files for contract deliverables, and held regular calls with contractors to facilitate program success.
- Improved program guidance documents and procedures for several recurring program processes.
- Coordinated updates to the ArcGIS Pro layers in the program's ArcGIS Web AppBuilder.
- Managed and updated the program's Microsoft Access database used for contract management.
- Maintained the program's public website and documents to comply with agency requirements.

Graduate Teaching Associate

California State University, Fullerton

August 2016 – December 2017

- Created lectures on ecological and physiological principles, and field techniques.
- Independently facilitated and monitored student activities in the field and laboratory.
- Maintained and demonstrated use of equipment including compound and dissecting microscopes, balances, IR and analog thermometers, YSI oxygen meters, and pipets.
- Introduced students to data management and statistical analysis using Microsoft Excel, and making scientific presentations in Microsoft PowerPoint.
- Designed a new workshop for developing scientific writing skills, and graded lab reports.

Graduate Researcher

California State University, Fullerton

January 2016 – May 2018

- Managed a two-person field crew for 5 months at Boyd Deep Canyon Desert Research Center to collect data on thermoregulatory behavior of wild common chuckwallas.
- Trained field technicians in use of iButton temperature data loggers and associated software, GPS navigation, and VHF telemetry, and to record field behavioral observations.
- Analyzed behavioral observation and temperature data using R.

Research Assistant

California State University, Fullerton

September 2013 – May 2018

- Cared for a live collection of over 50 lizards (of six species) including feeding, cleaning, and recording body measurements.
- Coordinated and supervised monthly cleaning of animal facilities.

OUTREACH

Volunteer Land Steward

Austin Wildlands Conservation Division of Austin Water

February 2019 – March 2020

- Co-led volunteer conservation events including removing invasive plants, collecting native seeds, and propagating and planting Texas native plants with the goal of improving stormwater quality and protecting wildlands in Austin Texas.