

TRANSFERABLE SKILLS/KNOWLEDGE

- Data integration, critical thinking, and creative problem solving
- Remote sensing image processing and analysis (e.g., photogrammetric analysis, hyperspectral analysis, ground-truthing remotely sensed data, etc.)
- GIS principles and software (e.g., ENVI, ESRI-ArcPro/GIS, Agisoft, etc.)
- Programming; Python (numpy, pandas, scipy, scikit-learn), R, IDL, MatLab
- Geospatial data analysis and machine learning (e.g., regression, classification, clustering, PCA, etc.)
- Data acquisition, curation, and management
- Data visualization (e.g., matplotlib, photoshop, illustrator, visual communication for diverse audiences, etc.)
- Project management and leadership
- Field geology and land surveying (stratigraphy, sedimentology, UAV, etc.)
- Numerical Modeling

WORK EXPERIENCE

Remote Sensing Scientist, Doctoral Fellow, Teaching Assistant, University of Arkansas 2020 - present

- First authored studies on the relationships between Earth's deltas and those found on Mars
- Host of field seminar on Earth analogs for martian rivers with scientists from around the world
- Presented at 10+ conferences to various audiences using data visualization and visual communication
- Taught four semesters of practicums for introductory geology courses

Graduate Researcher & Teaching Assistant, Western Washington University 2018 - 2020

- First authored a study on the likelihood of life being preserved in a lake on Mars
- Co-led selection and mapping effort for NASA's Perseverance Rover Landing site, Jezero crater, Mars
- Collaborated on three projects using NASA Orbiter/Rover data from Mars as a NASA Student Scientist
- Taught six quarters of practicums for introductory geology courses

Undergraduate & Post-Baccalaureate Researcher, University of Texas at Austin 2014 - 2018

- First authored a study on landforms consistent with a northern ocean on ancient Mars

EDUCATION

Ph.D., Geology *expected - 2025*
University of Arkansas

M.Sc., Geology 2020
Western Washington University

B.Sc., Geosciences 2017
The University of Texas at Austin, Jackson School of Geosciences

PUBLICATIONS -- [H-Index = 7; I10-Index = 7; Citations = 355]

- Lead author on two peer-reviewed publications; one more submitted; another in preparation
- Collaborated on international and interdisciplinary teams to co-author nine peer-reviewed publications and 15+ conference presentations.
- A list of my publications can be found on my [Google Scholar page](#).

HONORS & REWARDS

U of A Doctoral Academy Fellowship 2020 - 2024
Recipient of multiple travel grants and commendations for contributions to DEI 2016 - 2024