

NINA ZAMANI

Houston, TX 77077 | (415) 660-6443 | zamani.nina88@gmail.com

Skills

- GIS
- Remote Sensing
- UAV operation
- 3D Seismic Data Analysis (GOCAD)
- Agisoft Metashape
- Interactive Media
- Adobe Creative Suite
- Microsoft Office

Professional and Academic Experience

Internships and Fellowships

Oak Ridge Institute for Science and Education (ORISE) fellowship program *Department of Defense (ERDC), Geospatial group* 2023-present

Rock magnetism laboratory at University of Louisiana at Lafayette – Lafayette, LA GIS, May to Aug. 2021
and remote Sensing at Regional Application Center – Lafayette, LA May to Aug. 2020

Field Experience

Wyoming, Montana, Idaho – Seven Weeks May to Aug. 2022

Big Bend National Park – One Week Mar. 2022

Arizona, New Mexico, Utah – Two Weeks May 2021

Utah – Two Weeks May 2020

Graduate Teaching and Research Assistant

University of Houston – Houston, TX. 2021 to 2023

Developed syllabi and overall course structures, met with students upon request **University of Louisiana at Lafayette** – Lafayette, LA. 2020 to 2021

Remote Sensing, GIS, Sample Preparation, Numerical Modelling, Geophysical Research

Education

Doctorate of Science (PhD in Geology) - University of Houston – Houston May 2025

Master of Science (Geosciences) University of Louisiana at Lafayette - Lafayette, LA May 2021

Associate of Graphic Design - Lafayette, LA Aug. 2018

Bachelor of Science (Geology) - University of Hormozgan - Hormozgan, Iran May 2011

Scientific Products Education

- Zamaniavijeh, N., Heij, G.W., Ferré, E.C., Murphy, M., and Bagley, B. High-velocity slip and thermal decomposition of carbonates: example from the Heart Mountain Slide ultracataclasites, Wyoming. *Journal of Geophysical Research*, submitted.
- Zamaniavijeh, N., Hosseinzadehsabeti, E., Ferré, E.C., Hacker, D. B., Biek, R.F., and Biedermann, A.R. 2021. Kinematics of frictional melts at the base of the world's largest terrestrial landslide: Markagunt Plateau, southwest Utah, United States. *Journal of Structural Geology*, doi.org/10.1016/j.jsg.2021.104448.
- Zamaniavijeh, N., Ferré, E.C., Biedermann, A.R., and Biek, R.F. (2021). High-velocity viscous deformation of frictional melts: insights from landslide pseudotachylytes. *Eos Trans. AGU, Fall Meeting Supplement*, NH45C-0614.
- Zamaniavijeh, N., Ferré, E.C., Hacker, D.B., Biedermann, A.R., and Biek, R.F. (2021). Magnetic fabric and kinematics of frictional melts: Example from the Markagunt gravity slide, southwest Utah. *12th IRM Conference on Rock Magnetism*, Virtual Meeting, June 1-4, 2021.

