

SABRINA REICHERT (LAUTIN)

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About me

Member of AGU, SEG, AAPG, Alaska Geological Society. Fluid Mechanics; Thermodynamics; Geophysics; Geochemistry; Calculus I-IV; Ordinary Differential Equations; Physics with Calculus; Chemistry (General, Organic, Physical, Inorganic); Solid Earth and Climate Systems. Hebrew and French. Jupyter, Python, Linux, GMT, Paradigm, EIVA, Qimera.

Education

UT Austin Jackson School of Geosciences / June 2023-present

Pursuing MS/PhD. Advisors: Harm Van Avendonk, Nathan Bangs. President of UT Austin's unified SEG (Texas Geophysical Society) and Longhorn AAPG chapters, and JSG liaison for Texas Hillel.

Columbia University BA in Environmental Chemistry / May 2020

Dean's list, 3.5 GPA. Senior thesis at Lamont with Dr. Bärbel Hönisch (micropaleontology). Chemistry Teaching Assistant. E-board of After-Hours Tutoring, SusDev Student Union, and Real Estate Society.

Experience

University of Texas Institute for Geophysics

Graduate Research Assistant / June 2023-present

NSF Award 2112598. PIs: Harm Van Avendonk (UTIG), Nathan Bangs (UTIG). Multichannel and ocean-bottom seismic (MCS and OBS), bathymetric, and magnetic data collected to characterize the rift-drift behavior of the Blake Plateau's crustal lithosphere. AGU December 2023: "Marine seismic study to investigate the formation of the Carolina Trough and Blake Plateau."

Summer project with PI: Sean Gulick (UTIG); postdoc: Jingxuan Wei. 3D multi-channel seismic (MCS) data from a Yucatan-proximal portion of the Chicxulub crater. AGU December 2023: "Ultra-high resolution 3D seismic data within the K-Pg Chicxulub impact structure."

Ongoing project with Doug Hemingway, on interfacing SeaFreeze and MATLAB models of viscous relaxation and solute-modulated Clapeyron inversion within Titan's ice shell.

SUNY Stony Brook

Graduate Research Assistant / June 2022-May 2023

Geodynamics research (Funded by NSF; PI: Dr. Bill Holt. AGU December 2022: "Thermomechanical Models of Extension across the Turkana Depression within the East African Rift.").

Lamont Doherty Earth Observatory

Research Assistant / September 2018-May 2020