

William Jacob Long

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EDUCATION

PhD, Earth and Planetary Sciences Stanford University	Spring 2028 (<i>Expected Graduation</i>)
BS, Geology Brigham Young University-Idaho GPA: 3.855	Spring 2023
Certificate – Geospatial Technology (GIS) Brigham Young University-Idaho	Spring 2023

RESEARCH INTERESTS

Carbon Capture Utilization and Storage (CCUS), Fluid-Rock Interactions, Reservoir Characterization, Aqueous Geochemistry, Subsurface H₂ Resource Exploration

SCHOLARSHIPS AND AWARDS

Academic Excellence – BYU-I Geology Department	April 2023
Outstanding Field Camp Student – BYU-I Geology Department	April 2023
Excellence in Research – BYU-I Geology Department	April 2022
Outstanding Department Service – BYU-I Geology Department	April 2022

RESEARCH EXPERIENCE

GIS Management for Kingdom of Buganda Holy Sites Project, Uganda	2021 – 2022
Geologic Map Raster Conversion to Vector Data Utilizing A.I.	Winter 2022

TECHNICAL EXPERIENCE

Research Assistant – Stanford University Rocks and Geomaterials Laboratory, Advisor: Dr Tiziana Vanorio	2023 – Present
Assistant Director of the Field Camp – BYU-I Geology Department	Summer 2023
Teaching Assistant – BYU-I Geology Department Physical Geology (GEOL 111), Earth Materials (GEOL 351, 351L) Igneous and Metamorphic Petrology (GEOL 352)	2020 – 2023
GIS Internship – Idaho Falls Power	Summer 2021

ORGANIZATIONAL AFFILIATIONS

President – AAPG BYU-I Student Chapter	2021 – 2022
Co-President – BYU-I Geology Society	2021 – 2022
Vice President Elect – AAPG BYU-I Student Chapter	2020 – 2021
Member – Geological Society of America	2022 – Present

CONFERENCE PRESENTATIONS

BYU-I Applied GIS and Remote Sensing Research Conference	Winter 2022
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ADDITIONAL APTITUDES AND ACTIVITIES

Fluent in Spanish Volunteered and lived Full-Time in Mexico City	2016 – 2018
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