Caroline Rogers, The University of Missouri – Columbia, MO, for her project: *Tracing Mantle Variability Using Quaternary Basalts in Utah*.

Caroline Rogers is a second year Master of Science student at The University of Missouri – Columbia, advised by Dr. Tiffany Rivera. She is currently studying lead and strontium isotopes of basalts and basaltic andesites from Black Rock Desert, Utah. Her work focuses on combining isotopic analysis with geochemical, petrologic, spatial, and temporal data to resolve the mantle variability across the Black Rock Desert. She is also interested in inferring sub-volcanic magma processes which may have altered the geochemistry of her samples. Samples collected during her time at The University of Missouri add to an extensive database from Dr. Rivera and help expand the pre-existing North-South transect to the southernmost part of Utah, both on and off the Colorado Plateau.

Caroline received a Bachelor of Arts in Geosciences from Skidmore College in 2024. While at Skidmore, she used image analysis methods for corroborating anisotropic magnetic susceptibility data from Dr. Andrew Horsts' research of mafic intrusions in Skagaströnd, Iceland during the summer of 2022. In the spring of 2023, she spent a semester at The University of Canterbury in Christchurch, New Zealand researching granitoid samples from the Taupo Volcanic Zone to look for evidence of the Mush Model alongside two other students and under the guidance of Dr. Sarah Smithies. Outside of geology, she is a former NCAA Division III swimmer for Skidmore, avid board game fan, and enjoys completing her Museum Studies minor at Mizzou by participating in interdisciplinary courses.

Caroline extends her appreciation to the Mineralogy, Geochemistry, Petrology, and Volcanology Division and the Geological Society of America for their support for her master's research!