Nathaniel Lenhard, Missouri State University, Springfield, MO, for his project *Geochemical Comparison of the Chasca Orkho Series and Magmatic Inclusions at Volcán Ollagüe, Central Volcanic Zone, Northern Chile*

Nathaniel Lenhard is currently an M.S candidate in the Department of Geography, Geology, and Planning at Missouri State University, working under Dr. Gary Michelfelder. His thesis focuses on the magmatic evolution of host lava and inclusions found within the Chasca Orkho lava series at Volcán Ollagüe in northern Chile, utilizing phenocryst-scale geochemistry and isotope analysis. He hopes to determine whether these inclusions infer a stratified magma chamber or a punctuated recharge regime prior to eruption. Funding from the GSA Lipman Student Research Grant will assist in funding both plagioclase major, trace, and $^{87}$Sr/$^{86}$Sr isotopic analyses for Nathaniel’s samples. These analyses will aid in determining melt evolution and the magmatic processes that have influenced both the host lava and magmatic inclusions of the Chasca Orkho series at Ollagüe.

Nathaniel grew up in Petersburg, AK as a commercial fisherman and graduated from Montana State University with a B.S in Geology in 2021. When he is not at the office, Nathaniel enjoys running, hiking, and reading alongside his fiancée. Nathaniel hopes to eventually obtain a Ph.D. and return to Alaska to research volcanism within the state.