Peter Lindquist, University of Washington, Seattle WA, for his project *Tracking the history of metamorphic dehydration in the Catalina Schist*”

Peter Lindquist is a 2nd year PhD student in the Department of Earth and Space Sciences at the University of Washington, working with Dr. Cailey Condit. Peter’s work is focused on better understanding the metamorphic and deformation processes in subduction zones at the conditions of deep slow slip. He uses petrologic modeling and field-based work on the exhumed paleosubduction terrane on Pimu’nga/Santa Catalina Island. Thanks to this Lincoln S. and Sarah W. Hollister Graduate Student Research Award through MGPV he will be able to conduct detailed mineral and bulk-rock chemical analyses to help constrain the metamorphic dehydration history of metabasalts in the Catalina Schist and their potential contribution of fluids to the plate interface at the conditions of deep slow slip.

Peter received his BA in Geology from Carleton College in 2018, where he did undergraduate research in structural geology with Dr. Sarah Titus, studying deformation bands in sandstone in the field in central California and in laboratory deformation experiments at Rice University with Dr. Melodie French. In 2020 he received a MS in Geology from the University of Vermont, where he worked with Dr. Keith Klepeis on the structure of lower crustal shear zones in the exposed root of a volcanic arc in Fiordland, New Zealand. Here, Peter developed an interest in the interactions between metamorphism and deformation, which led him to pursue further research on metamorphic and tectonic processes in Dr. Condit’s Structural Petrology lab at UW.