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Currently working toward completion of a Ph. D. from the University of Pittsburgh. My research interests include studying the relationships between tectonic, climate, and earth surface processes using statistical modeling and field/remote sensing techniques. Also, I am interested in exploring how these relationships impact infrastructure damage and natural hazard assessment. My research projects focus on using statistical/machine learning modeling to examine the influential factors governing landslide occurrence and sewer damage as well as generate susceptibility maps. I am also working toward quantifying the uncertainty of using citizen reported data for use in landslide hazard modeling.

Previously, I worked at the Ohio State University as both a research assistant and undergraduate researcher studying submarine landslides. Through the use of both 3D seismic, well log, and core analysis I explored submarine landslide deposits in the Nankai Trough off the coast of Japan to quantity the risk of failure for different volcanic ash layers in the region.

Education

Ph.D. Geology and Environmental Sciences, University of Pittsburgh, Present

B.Sc. Earth Sciences: Geophysics, The Ohio State University, 2016