BIO:

Austin Madson is an assistant professor at WyGISC. He received his PhD from UCLA in the Department of Geography in 2020 and leads classes in Remote Sensing (RS) and UAVs within the WyGISC GIST framework. He is a physical geographer with research interests within the Earth and geoscience realms. In particular, Austin utilizes advanced RS techniques (insar, lidar, optical) along with computational modeling and field instrumentation to study hydrologic and geomorphologic changes. He has interests in geodesy, Raspberry Pi projects, cluster computing, data processing parallelization, data visualization, open-source programming, low-cost GNSS hardware, semi-autonomous rover and UAV construction, sensor fusion, UAS data acquisition, SfM, lidar and radar RS techniques, real world applications in the use of RS and GIS, and the integration of RS and GIS technologies. Austin enjoys tinkering on projects, fieldwork, soccer, and just soaking up the outdoors.