

Project Hydrogeologist

Expertise Data Analysis, Hydraulic Aquifer Testing, Numerical Modeling

Education M.S. (Hydrology), 2021
Colorado School of Mines, Golden, Colorado, USA
B.A. (Geology), 2018
University of Colorado, Boulder, Colorado, USA
B.A. (History), 2018
University of Colorado, Boulder, Colorado, USA

Professional Affiliations Member: American Geophysical Union, United States Geological Survey, Association of Environmental Engineering Geologists

Honors CU Professional and Academic Conference Endowment Award (2018)

Professional Experience

2021 – Present ITASCA Denver, Lakewood, Colorado
Staff Hydrogeologist

2019 – 2021 ITASCA Denver, Lakewood, Colorado
Intern Hydrologist

2017 – 2018 University of Colorado, Boulder, Colorado
Research Assistant

Project Experience

Rapid Infiltration Basin Study: Assisted with hydraulic tests of an aquifer for a rapid infiltration basin. Performed pump testing on a sonic drill rig and subsequent data analysis of hydraulic conductivity values. Tasked with sampling and analysis of drilled soil cores with methods such as classification, pH, and specific conductance measurements.

Packer Testing: High level of experience conducting packer testing and subsequent data analysis. Also experienced in vibrating wire piezometer installation.

Surface-Water Study: Investigated potential surface-water impacts induced by underground mining activities. The focus of the investigation was synoptic streamflow analysis, water chemical composition analysis, and watershed delineation.