

CURRICULUM VITAE - RYAN M. REYNOLDS

Staff Engineering Geologist/GIS Analyst

Current Address

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Education

BA, Physical Geography, San Diego State University, 2006
MA, Physical Geography, California State University, Northridge, 2011

Representative Experience

As a staff engineering geologist at Cotton, Shires and Associates, Inc. (CSA), Mr. Reynolds has worked on a variety of projects including geologic and geotechnical peer reviews for Bay Area municipalities, topographic surveying and monitoring of inclinometers and other instrumentation.

Mr. Reynolds also has extensive experience with Geographic Information Systems (GIS). GIS projects with CSA include municipal geologic maps, movement potential maps, and hazard mapping of canals and penstocks in the Sierra Nevada Mountains. While a graduate student at California State University, Northridge, Mr. Reynolds was involved in several research projects utilizing terrestrial LiDAR. Projects included LiDAR scanning of active deltas, Salton Sea mud volcanoes, and paleoseismic trenches. Mr. Reynolds was responsible for the collection of data and building three-dimensional surface models. Mr. Reynolds is proficient with numerous geospatial programs including: ArcGIS, Global Mapper, ERDAS imagine, Bentley Microstation, TerraSolid (TerraScan and TerraModler), AutoCAD, RiScanPro, QT modeler, and Adobe Illustrator.

Professional History

Staff Engineer/GIS Analyst, Cotton, Shires and Associates, Inc., August 2011 to present
Terrestrial LiDAR Research Assistant, Department of Geology, California State University, Northridge, August 2010 - July 2011

Professional Affiliations

Geologic Society of America
American Geophysical Union