

CURRICULUM VITAE - CRAIG A. STEWART G.I.T. 974

Senior Staff Geologist

Current Address

COTTON, SHIRES AND ASSOCIATES, INC.
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Education

MS, Geology, California State University, Northridge, 2017
BS, Geology, Appalachian State University, 2015

Representative Experience

As an employee at Cotton, Shires and Associates, Inc. (CSA), Mr. Stewart has worked on a variety of projects including primarily geologic and geotechnical peer reviews for Bay Area municipalities, detailed geologic hazard mapping and cross section construction, fault trench investigation, logging of subsurface exploratory borings, pits and shafts, as well as topographic surveying, floor level surveying, the monitoring of inclinometers, piezometers, vibration monitors, along with construction observation and testing.

Mr. Stewart has extensive experience in geologic processes related to mountain building and faulting and has completed extensive field and lab centered projects during his academic career prior to starting at CSA. His research has been published in peer reviewed journals and presented at a variety of conferences including the Geological Society of America (GSA) annual and regional meetings, the Southern California Earthquake Center (SCEC), and the American Geophysical Union (AGU). Mr. Stewart also taught and assisted a variety of courses including introduction to physical geology lab, senior level geologic mapping and select graduate lectures on microtectonics at California State University, Northridge.

Professional History

Staff to Senior Staff Geologist, Cotton, Shires and Associates, Inc., July 2017 to present
Teaching Associate, Department of Geology, California State University, Northridge, August 2015 - May 2017

Professional Affiliations

Geological Society of America

Southern California Earthquake Center

Select Publications

Stewart, C., and Miranda, E., (2017), The Rheological Evolution of Brittle-Ductile Transition Rocks During the Earthquake Cycle: Evidence for a Ductile Precursor to Pseudotachylyte in an Extensional Fault System, South Mountains, Arizona. *Journal of Geophysical Research: Solid Earth*
Casale, G., Levine, J., Craig, T., **Stewart, C.**, (2017), Timing and Deformation Conditions of the Tallulah Falls Dome, NE Georgia: Implication for the Alleghenian Orogeny. *Geological Society of America Bulletin*