

Jeremy G. Menzer, PhD		Director of Geophysics and Remote Sensing	
Availability: Immediate Email: jgmenzer@crai-ky.com	Specific Duties: <ul style="list-style-type: none"> • Geophysical and Remote Sensing analysis • Custom script and code development • Report preparation • Proposal development 	Education and Training: <ul style="list-style-type: none"> • Ph.D. Environmental Dynamics, University of Arkansas, Fayetteville, Arkansas • M.S. Geosciences, East Tennessee State University, Johnson City, Tennessee • B.S. Geology, Edinboro University of Pennsylvania, Edinboro, Pennsylvania 	
Experience Summary Information			
Director of Geophysics and Remote Sensing Cultural Resource Analysts, Inc. 2022–present	Research Assistant Center for Advanced Spatial Technologies (CAST), University of Arkansas 2015-2021	Private Consultant 2015-2021	
<p>Dr. Jeremy Menzer serves as the Director of Geophysics and Remote Sensing out of CRA's Headquarters in Lexington. His duties encompass all aspects of geophysical survey and other remote sensing projects (aerial and satellite imagery, photogrammetry, LIDAR, etc.). He is responsible for seeing all aspects of these projects through to completion. These responsibilities include proposal development, fieldwork, data analysis, and final report preparation. He is experienced in geophysical survey at Pre-, Proto- and Historic Archaeological sites and has acted as Geophysics Director for projects in Tennessee, Arkansas, Illinois, Texas, Peru, and Zambia. He has participated in numerous surveys as a geophysical assistant and geophysical lead for projects in Tennessee, North Dakota, France, Israel, and Botswana. He has regularly presented papers at regional, national, and international conferences, authored technical reports, and is currently preparing further publications.</p> <p>Experience and Expertise:</p> <ul style="list-style-type: none"> • Archaeological Geophysics • Remote Sensing • Geospatial Analysis and Geographic Information Systems (GIS) • Custom scripting and computer programming • Advanced Archaeo-geophysical data processing • Mississippian Occupation of Upper Cumberland Plateau • GNSS systems <p>Education:</p> <p>Doctor of Philosophy, Environmental Dynamics <i>University of Arkansas, Fayetteville, Arkansas December 2021</i> Studied archaeo-geophysics, remote sensing, GIS, and quantitative methods. He focused on advanced magnetic and advanced data processing techniques. Dissertation: "Investigating Depth Estimation to Archaeological Magnetic Source Bodies." Evaluated classic and novel magnetic depth estimation techniques.</p> <p>Master of Science, Geosciences: Geospatial Concentration <i>East Tennessee State University, Johnson City, Tennessee May 2015</i></p>			

Studied archaeo-geophysics, remote sensing, and GIS as well as field methods, specific to archaeology. Thesis: "Discovering Rock Features with Geophysical Exploration and Archaeological Testing at the Mississippian Pile Mount Site, Upper Cumberland Plateau, Tennessee." Examined the archaeo-geophysical evidence and correlated it with excavation data at an uplands Mississippian mound site.

Bachelor of Science, Geology

Edinboro University of Pennsylvania, Edinboro, Pennsylvania December 2012

Studied geology with additional coursework in anthropology and archaeology. Completed geophysical research related to sand dune migration, lake stratigraphy, and water table detection.

Archaeo-geophysical Field Experience Highlights:

- Principal Investigator, Investigating Depth Estimation to Archaeological Magnetic Source Bodies. Performed in Arkansas, Tennessee, and Illinois, 2018-2021
- Geophysical Director, Upper Cumberland Plateau. Fentress County, Tennessee, 2014-present
- Geophysicist, Basanga, Zambia, 2019
- Geophysicist, Lake Bob Sandlin, Texas, 2019
- Geophysical Assistant, Bismark Area Survey, North Dakota, 2016-2018
- Geophysical Assistant, Exploring the Auvergne and Cantal, France, 2015, 2017
- Geophysical Assistant, Cane Notch, Tennessee, 2014, 2016
- Geophysical Assistant, Phase I Archaeological Reconnaissance Survey for the Proposed Dolan Campground, South Holston Reservoir, Tennessee, 2015
- Geophysical Assistant, Tell Keisan and Jezreel Valley, Israel, 2015
- Geophysical Director, Caballete, Peru, 2015
- Geophysical Assistant, Bosutwe Landscapes, Botswana, 2014
- Geophysical Assistant, Hawn's Mill Historic Site, Missouri, 2013-2014

Select Publications and Technical Reports:

- Menzer J. G.**, (2022). Magnetometry Survey of a Development Property, Franklin County, Ohio. Contract Publication Series 22-377. Cultural Resource Analysts, Inc., Lexington, Kentucky
- Young, M. L. **Menzer, J. G.** (2022). Archaeological Identification and Geophysical Surveys for the Stone House Demolition Project, United States Department of Agriculture 0 Agricultural Research Service, Appalachian Fruit Research Station, Jefferson County, West Virginia. Contract Publication Series 22-372. Cultural Resource Analysts, Inc., Lexington, Kentucky
- Baker, J. A. Menzer, J. G.** (2022). Archaeological Identification and Geophysical Surveys for Proposed Beech Fork State park Cabin and Roadway Additions, Beech Fork Lake, union District, Wayne County, West Virginia. Contract Publication Series 22-286. Cultural Resource Analysts Inc., Lexington, Kentucky.
- Menzer, J. G.** (2022). Ground-penetrating Radar Survey of an Unused Portion of Big Spring Cemetery, Nelson County, Kentucky. Contract Publication Series 22-237. Cultural Resource Analysts Inc., Lexington, Kentucky.
- Menzer, J. G.** Kvamme, K. L. (2021). Investigating Depth Estimation to Archaeological Magnetic Source Bodies. Report on file with National Council for Preservation Technology and Training.
- Menzer, J. G.** Simon, K. (2021) Geophysical Investigation of 9th- to 14th century AD occupation mounds in the Basanga Region of western Zambia: Research at Mwanamaimpa. Report on file with Center for Advanced Spatial Technologies, University of Arkansas, Fayetteville, AR.
- Kvamme, KL. Ernenwein, EG. **Menzer, JG.** (2018). Putting It All Together: Geophysical Data Integration. In, *Innovation in Near-Surface Geophysics: Instrumentation, Application and Data Processing Methods*. Ed. 1, Editors, Persico, R. Prio, S. Linford, N. Publisher Elsevier.
- Guderjan, T. **Menzer, J.** Walters, M. Nelson, B. (2017). Ground Penetrating Radar Survey of Fort Sherman Cemetery, and Caddo Features at the Frank Benson Site (41TT310), Lake Bob Sandlin State Park. Research report 6. Center for Social Sciences Research, University of Texas at Tyler. Report on file with Texas Parks and Wildlife Department.

Menzer, J. Simon, K. (2016). The Rooms Beneath Our Feet: Multisensory Survey of Late Archaic (3000-1800 B.C.) Ceremonial Architecture in Peru. Report on file with Center for Advanced Spatial Technologies, University of Arkansas, Fayetteville, AR.

Professional Societies:

- International Society of Archaeological Prospection (ISAP)
- Computer and Quantitative Methods in Archaeology (CAA)
- Society of American Archaeology (SAA)