

Katherine E.T. Brown

(she/her)

Knoxville, TN · (931-644-3318) · katherinelizbrown@gmail.com

EDUCATION

Colorado State University
Masters of Art in Anthropology
Advisor: Dr. Mica Glantz

Fort Collins, CO
Anticipated Graduation May 2026

University of Tennessee, Knoxville
Bachelor of Arts in Anthropology
Graduation with Honors

Knoxville, TN
August 2016—May 2020

Senior Thesis: Investigating the Effect of Exposure Time on the Accuracy of Elemental Identification for Portable XRF Analysis.

ARCHAEOLOGICAL FIELD SCHOOLS

Deep Roots Project
Prof. Lawrence Barham, University of Liverpool

Kalambo Falls, Zambia
July—August 2019

Excavation of an Early-Middle Stone Age river site

Excavated multiple trenches containing lithic and organic artifacts, recorded and excavated features, assisted on the excavation of the water-logged wooden structural elements, assisted the site geologists with the collection of luminescence dating samples, created plan drawings of the various features and artifacts in situ, trained on the Leica Flexline TS06plus Total Station.

Article: [Evidence for the earliest structural use of wood at least 476,000 years ago. Barham et al., 2023](#)

Cherokee Farm
Dr. Kandace Hollenbach, University of Tennessee

Knoxville, TN
May 2019

Excavation of a Mississippian Midden site on the Tennessee river

Excavated multiple 4x4m units to identify the extent of the midden area of the site. Hand-mapped features and in situ artifacts, took detailed field notes, identified artifacts and features, and collected artifacts and flotation samples.

Boncuklu Höyük Field School
Prof. Douglas Baird, University of Liverpool

Hayroğlu, Turkey
June—July 2018

Excavation of an Early Neolithic settlement

Excavated a mud brick and plaster building as well as multiple human & infant burials, recorded and excavated small pit features, created plan drawings, took detailed field notes, identified artifacts and features, collected artifacts and flotation samples, and assisted the site zooarchaeologist with faunal materials.

INTERNSHIPS

Collections Management Intern

Knoxville, TN

McClung Museum of Natural History & Culture

Fall 2021—Spring 2022

Helped with the digitization of acquisitions records and facilitated the transfer of artifacts from the McClung to the Filson Historical Society in Louisville, KY. Managed the rehousing of the jewelry and military regalia collections into a conservation standard storage facility. Assisted with the decommission and rehousing of artifacts from the Native Peoples exhibit in anticipation of a new, remodeled exhibition.

PR & Marketing Intern

Knoxville, TN

McClung Museum of Natural History & Culture

Spring 2020

Created engaging content for social media channels (Instagram, Twitter, & Facebook), tracked media coverage of the museum's programs, and assisted with community outreach events. Developed a marketing strategy for the 2020 #5WomenArtist social media campaign for the McClung Museum.

ANTHROPOLOGICAL RESEARCH EXPERIENCE

ZooMS Lab

U. of Tennessee, Knoxville

Lab Assistant

Spring 2022

Assisted Dr. Anneke Janzen on her work investigating the development and spread of pastoralism through Africa, specifically using Zooarchaeology by Mass Spectrometry (ZooMS) to determine species of animal remains found during the excavations of sites across the Turkana Basin from the 2019 field season.

Coroner's Deputy Ride Along Program

Greenville County Coroner's Office

Volunteer Coroner's Deputy

March 2022

Assisted as a full time volunteer assistant to the deputy coroner's office. Investigated death scenes for evidence relating to the cause and manner of death, including taking possession of and supervising transportation of the cadaver, securing and labeling evidence, being present at autopsies, and interviewing family members & witnesses.

Zooarchaeological Comparative Collection

U. of Tennessee, Knoxville

Lab Assistant

Fall 2018—Spring 2019

Assisted graduate student Jennifer Green in managing the zooarchaeological collection by identifying, processing, and cataloging faunal remains, maintaining and updating the database, and updating storage methods.

William M. Bass Forensic Anthropology Center

U. of Tennessee, Knoxville

Processing Intern

Spring—Summer 2017, Summer—Fall 2018

Cleaned and cataloged the skeletal remains of donor cadavers in preparation to be added to the Bass Skeletal Collection.

William M. Bass Forensic Anthropology Center

U. of Tennessee, Knoxville

Daily Photos Volunteer

Fall 2018

Assisted graduate students with taking daily photos of donor cadavers in the active stages of decomposition.

William M. Bass Forensic Anthropology Center

U. of Tennessee, Knoxville

On-Call Volunteer

May 2018

Assisted with pick up, intake procedures (hair, nail, and blood sample collection), and placement of donor cadavers at the outdoor facility.

Topper Archaeological Research Lab

U. of Tennessee, Knoxville

Lab Assistant

Fall 2018—Spring 2018

Sorted, identified, and photographed artifacts from the Topper Archaeological Site in Allendale County, South Carolina.

ARCHAEOLOGICAL WORK EXPERIENCE

ODOT Jewett

Grady County, Oklahoma

Integrated Environmental Solutions, LLC.

November 2023—June 2024

Phase III

Field Technician

- Completed Phase III excavations of a 13th century Ancestral Wichita site near the Washita River.
- Excavated multiple ancestral burials of adults and subadults under the supervision of a senior bioarchaeologist with permission from the Wichita and Affiliated Tribes.
- Shovel and trowel excavation in a team setting with the supervision of a Field Director.
- Excavation of features identified during mechanical scraping.
- Note-taking, artifact and feature identification and collection of artifacts and flot sample, hand mapping of features and in situ artifacts, dry and water screening.

XNA Access Road

Benton County, AR

Flat Earth Archeology, LLC.

November 2022—September 2023

Phase III

Field Technician

- Completed Phase III excavations of multiple Archaic Osage sites located near the Little Osage Creek.
- Shovel and trowel excavation in a team setting with the supervision of a Field Director.
- Monitored for artifacts and features during mechanical scraping and trench excavation.
- Excavation of features identified during mechanical scraping.
- Note-taking, artifact and feature identification and collection of artifacts and flot sample, hand mapping of features and in situ artifacts, dry and water screening.
- Lab work consisting of artifact washing, sorting and counting of wet and dry screened artifacts, and organization consistent with Arkansas State curation procedures.

Artifact Analysis Lab

Denton, TX

Integrated Environmental Solutions, LLC.

September 2022—November 2022

Lab Supervisor

- Lab work consisting of processing, identifying, and cataloging prehistoric and historic era artifacts, preparation of collections for curation with various state agencies, supervising a small team in a variety of laboratory tasks, writing up survey reports and lab writeups, and managing and manipulating geospatial project data.
- Assisted with proofing and finalizing fieldwork paperwork and maps and in database entry.
- Contributed to technical reports documenting archaeological fieldwork and artifact analyses.
- Curation of collections to Oklahoma, Texas, and Arkansas State Historic Preservation Office standards.

Smith Mountain Survey

Montgomery County, AK

Integrated Environmental Solutions, LLC.

October 2022

Phase I

Field Technician

- Completed Phase I survey of 300 acres located near Smith Mountain for the Ouachita National Forest in accordance with Arkansas state standards.
- Navigated to shovel tests using the Geode GNSS Receiver.
- Assisted with site revisitations including identifying and mapping surface features, delineating site boundaries, and recording surface finds.

Right Hand Sugar Creek Survey

Scott County, AK

Integrated Environmental Solutions, LLC.

October 2022

Phase I

Field Technician

- Completed Phase I survey of 500 acres located near Right Hand Sugar Creek for the Ouachita in accordance with Arkansas state standards.
- Navigated to shovel tests using the Bad Elf GNSS Surveyor.
- Assisted with site revisitations including identifying and mapping surface features, delineating site boundaries, and recording surface finds.

Triangle Innovation Point Roadway Network Improvements

Chatham County, NC

RK&K

July 2022—August 2022

Phase I & II

Field Technician

- Completed Phase I survey over a 300 acre area located in the Piedmont region of North Carolina.
- Completed Phase II excavations for multiple historic and prehistoric sites found during the initial Phase I survey, primarily located east of the Shaw River.
- Hand-mapped features and in situ artifacts, took detailed field notes, identified artifacts and features, and collected artifacts and flot samples.
- Followed company Covid-19 social distancing and sanitization procedures to reduce spread and maintain a safe and healthy work environment.

Inyo National Forest Survey

USDA Forestry Service & Great Basin Institute

Phase I Pedestrian Survey

Field Technician

- Pedestrian Survey of 2,000 acres for the Inyo National Forest in accordance with California state standards.
- Assisted in the writing of the Section 106 compliance report to be submitted to the California State Historic Preservation Officer.
- Note-taking, artifact and feature identification, GPS mapping of features and in situ artifacts using Avenza Mapping application.
- Followed company, state, and federal Covid-19 social distancing and sanitization procedures to reduce spread and maintain a safe and healthy work environment.

Mono County, CA

May 2022—July 2022

Rose Hill Plantation

South Carolina Department of Parks, Recreation & Tourism

Phase II

Crew Lead & Lab Technician

- Assisted in supervising the excavation of the Rose Hill Plantation State Historic Site as part of a field school run by Katherine Parker.
- Cataloged all artifacts found during the 2021 field season and curated the collection to South Carolina curatorial standards.
- Created a GIS map of the site showing the distribution of all artifacts found during the Phase I & II excavations.
- Followed state and federal Covid-19 social distancing and sanitization procedures to reduce spread and maintain a safe and healthy work environment.

Union County, SC

May—August 2021

Parker Plantation

S&ME, Inc.

Phase III

Field Technician

- Completed Phase III excavations of a 18th century plantation site located near the Little Ogeechee River.
- Shovel and trowel excavation in a team setting with the supervision of Crew Chief.
- Excavation of features identified during mechanical scraping.
- Note-taking, artifact and feature identification and collection of artifacts and flint sample, hand mapping of features and in situ artifacts, dry and water screening.
- Lab work consisting of artifact washing, sorting and counting of wet and dry screened artifacts, and organization consistent with Georgia State curation procedures.
- Followed company Covid-19 social distancing and sanitization procedures to reduce spread and maintain a safe and healthy work environment.

Savannah, GA

March 2021—May 2021

Lower Bois d'Arc Reservoir

Integrated Environmental Solutions, LLC.

Phase III

Fannin County, TX

November 2020—March 2021

Field Technician

- Completed Phase III excavations of an Archaic Cado village & burial site located near the Bois D'Arc Creek.
- Shovel and trowel excavation in a team setting with the supervision of Crew Chief.
- Excavation of features identified during mechanical scraping.
- Note-taking, artifact and feature identification and collection of artifacts and flot sample, hand mapping of features and in situ artifacts, dry and water screening.
- Lab work consisting of artifact washing, sorting and counting of wet and dry screened artifacts, and organization consistent with Texas State curation procedures.
- Followed company Covid-19 social distancing and sanitization procedures to reduce spread and maintain a safe and healthy work environment.

Cross Cemetery Geophysical Survey

Fannin County, TX

Integrated Environmental Solutions, LLC.

March 2021

Geophysical Survey

Field Technician

- Completed geophysical survey of the Cross Cemetery located by the forthcoming Bois d'Arc Reservoir.
- Assisted with locating site parameters using a Trimble.
- Prepared site area (cleared brush and debris, removed unused fencing).
- Laid baseline and fiberglass measuring lines for data collection.
- Worked alongside a Genoics EM 38B to gather data on both conductivity and magnetic susceptibility of the sites.
- Followed company Covid-19 social distancing and sanitization procedures to reduce spread and maintain a safe and healthy work environment.

Geophysical Survey of 41FN60 & 41FN30

Fannin County, TX

Integrated Environmental Solutions, LLC.

January 2021

Geophysical Survey

Field Technician

- Completed geophysical survey of two sites set to be used for the forthcoming Ralph Hall Reservoir.
- Assisted with locating site parameters using a Trimble.
- Prepared site area (cleared brush and debris, removed unused fencing).
- Laid baseline and fiberglass measuring lines for data collection.
- Worked alongside a Genoics EM 38B to gather data on both conductivity and magnetic susceptibility of the sites.
- Followed company Covid-19 social distancing and sanitization procedures to reduce spread and maintain a safe and healthy work environment.

Aledo ISD Middle School #2

Parker County, TX

Integrated Environmental Solutions, LLC.

November 2020

Phase I

Field Technicians

- Completed Phase I survey under the supervision of a field director as part of a two-person team over a 137 acre primarily oak savannah located on the margins of the Little Mary's Creek and its tributaries.
- Navigated to shovel test sites using a Garmin GPS unit.
- Followed company Covid-19 social distancing and sanitization procedures to reduce spread and maintain a safe and healthy work environment.

MacArthur Cultural Resources

Integrated Environmental Solutions, LLC.

Dallas County, TX

September—November 2020

Phase II

Field Technician

- Completed Phase II excavations for an archaic lithic scatter site located along the West Fork of the Trinity River.
- Monitored for artifacts and features during mechanical scraping and trench excavation.
- Deflocculated clay soils and water screened for artifacts.
- Hand-mapped features and in situ artifacts, took detailed field notes, identified artifacts and features, and collected artifacts and flint samples.
- Followed company Covid-19 social distancing and sanitization procedures to reduce spread and maintain a safe and healthy work environment.

PUBLIC EDUCATION & OUTREACH

Civil War Outreach Project

Research Assistant

Knox County, TN

August 2019

Assisted under the supervision of Dr. Kandance Hollenbach with the creation of a Civil War “Archaeology-in-a-box” outreach project for 5th graders in the Knox County school system. Created lesson plans, worksheets, and materials to Tennessee State Education & Common Core standards.

PRESENTATIONS

Brown, Katherine. 2020. *Marketing the McClung: Being an intern in the PR and Marketing Department of the McClung Museum*. Poster Presentation, Tennessee Association of Museums & Exhibition of Undergraduate Research and Creative Achievement (EURēCA).

Brown, Katherine, Sierra Bow, Jan Simek. 2019. *Investigating the Difference in pXRF Procedural Methods on the Accuracy of Pigment Analysis*. Poster Presentation, National Conference on Undergraduate Research (NCUR).

ACADEMIC MEMBERSHIPS & ACHIEVEMENTS

Excellence in Undergraduate Research, Office of Undergraduate Research, UT Knoxville, May 2020.
Student member, Dental Anthropology Association.

Student member, Southeastern Archaeological Conference.
 Lambda Alpha National Anthropology Honor Society.

RELEVANT COURSEWORK

Early European Prehistory (Spring 2018)	A-
Rise of Complex Civilizations (Fall 2018)	A
Human Osteology (Fall 2018)	B+
Biospheric Changes and the Fossil Record (Fall 2018)	A
Archaeological Resource Management (Spring 2019)	A
Dental Anthropology (Spring 2019)	A
The African Diaspora (Spring 2019)	A
Archaeological Resource Management (Spring 2019)	A
Principles of Zooarchaeology (Summer 2019)	A
Archaeological Statistics (Fall 2019)	A
Human Paleontology (Fall 2019)	A
Geology of National Parks (Fall 2019)	B
Cave & Karst Geology (Spring 2020)	B
African Archaeology (Spring 2022)	A
Evolutionary Biology for Anthropologists (Spring 2022)	B+

TECHNICAL SKILLS

Portable X-ray Fluorescence Analyzer	Spectra
Esri ArcGIS	PastPerfect
Microsoft Office Suite	Google Suite
Compass	Avenza Mapping System
Total Station	Trimble GPS
GPR Rover	Garmin GPS
Bad Elf GNSS Surveyor	Geode GNSS Receiver