

Keegan Buchanan Beane

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EDUCATION

Doctor of Philosophy in Applied Anthropology

Texas State University, *San Marcos, TX*

Master of Arts in Anthropology, Concentration in Biological Anthropology

December 2023

Texas State University, *San Marcos, TX*

GPA: 4.00/4.00

Thesis Title: Assessing Cranial Trauma and Depositional Patterns in a Soviet-era Mass

Grave in the Republic of Georgia: Contextualizing the Violence and Burial

Committee: Nicholas Herrmann (Chair), Meri Gonashvili, Michelle Hamilton

Bachelor of Science in Anthropology, Minor in Biological Sciences

May 2021

Clemson University, *Clemson, SC*

Overall GPA: 3.50/4.00, Major GPA: 3.93/4.00

RELEVANT EXPERIENCE

Department of Defense POW/MIA Accounting Agency (DPAA)

Summer 2025

Partner Project 25-5FR-B

Rennes, France

- Assisted in recovery mission for World War II era B17 crew
- Observed and participated in excavation of 80 sq. meters over 4 weeks

Doctoral Research Assistant

Fall 2024 – Present

Forensic Anthropology Center at Texas State (FACTS)

San Marcos, TX

- Performs skeletal inventories for curation into the Texas State Donated Skeletal Collection of the Forensic Anthropology Center at Texas State

Doctoral Instructional Assistant

Fall 2024 – Present

Department of Anthropology, Texas State University

San Marcos, TX

- Assists with the upper-level undergraduate Skeletal Methods course

Advanced Human Remains Recovery: Fire Death Investigation

Fall 2022, Fall 2024

Forensic Anthropology Center at Texas State (FACTS)

San Marcos, TX

- Assisted the course with scene examinations and remains recovery

Department of Defense POW/MIA Accounting Agency (DPAA)

Summer 2024

Partner Project 21-12DE

Münster, Germany

- Assisted in recovery mission for World War II era B24 crew
- Observed and participated in excavation of 162 sq. meters over 5 weeks

Georgian Association of Forensic Anthropology – Fulbright Researcher

Fall 2023 – Summer 2024

Georgian Recovery, Documentation, and Identification Project,

Tbilisi, Republic of Georgia

Tbilisi State Medical University

- Performed forensic anthropological analyses and composed biological profiles of skeletal remains
- Assisted with authoring field and anthropological reports

- Oversaw medical students for cleaning of skeletal remains
- Documented and photographed artifacts and material evidence

Guest Lecturer for Clemson University’s Professional Development Course

Spring 2023

Department of Sociology, Anthropology, and Criminal Justice, Clemson University

- Lectured on gaining experience as an undergraduate, applying for graduate school, and other opportunities
- Discussed and provided resources for writing professional documents and creating online accounts for networking or research
- Answered academic and career questions

Graduate Research Assistant

Spring 2023

Texas State University

San Marcos, TX

- Performed data collection and lab processing for an archaeological project on the Der Stadt Friedhof cemetery
- Assisted with remote sensing, geophysical surveys, and data processing
- Prepared archaeological technical report

Forensic Case Analyses with the Forensic Anthropology Center

Fall 2022 – Summer 2023

Forensic Anthropology Center at Texas State (FACTS)

San Marcos, TX

- Assisted with forensic anthropological analyses
- Co-authored biological profile case sections
- Co-authored full case reports

Forensic Anthropology Research Facility (FARF)

Fall 2021 – Spring 2023

Forensic Anthropology Center at Texas State (FACTS)

San Marcos, TX

- Assisted with the Willard Body Donation Program
- Photographed donors at FARF
- Recovered donor remains from FARF
- Completed preliminary skeletal inventories during donor remains recovery

Graduate Instructional Assistantship

Fall 2021 – Fall 2022

Department of Anthropology, Texas State University

San Marcos, TX

- Taught Biological Anthropology Laboratory
- Planned lessons and graded assignments

Osteological Research and Processing Laboratory (ORPL)

Fall 2022

Forensic Anthropology Center at Texas State (FACTS)

San Marcos, TX

- Processed donor remains prior to placement in the Grady Early Forensic Anthropology Research Laboratory

Forensic Anthropology Lecture for High School Students

Spring 2022

Forensic Anthropology Center at Texas State (FACTS)

San Marcos, TX

- Assisted with an introduction lecture on forensic anthropology, osteology, and FACTS in the Grady Early Building Laboratory Facility
- Engaged with students in one-on-one learning and demonstrations
- Answered questions and assisted with hands-on participation

Anthropological Analysis – Victims of the 1930s Soviet Occupation in Georgia

Summer 2022

Georgian Recovery, Documentation, and Identification Project (GRDIP),

Tbilisi, Republic of Georgia

Georgian Association of Forensic Anthropology (GAFA)

- Humanitarian and Human Rights Resource Center Awarded Project

- Analyzed skeletal remains of 28 individuals
- Conducted biological profiles for all individuals, including sex, age, population affinity, stature, trauma, and pathology
- Analyzed all artifacts, separately recovered hand and foot elements, and separately recovered body parts

Anthropological Recovery – Victims of the 1930s Soviet Occupation in Georgia Summer 2021
Georgian Recovery, Documentation, and Identification Project (GRDIP), Batumi, Republic of Georgia
 Georgian Association of Forensic Anthropology (GAFA)

- Humanitarian and Human Rights Resource Center Awarded Project
- Exhumed individuals from mass grave
- Utilized a total station and photogrammetry technology
- Cleaned and processed remains for analysis
- Cleaned, logged, and photographed artifacts

Ayioi Omoloyites Research Project Summer 2021
Nicosia, Cyprus

- Documented and analyzed commingled remains excavated from tombs
- Utilized Osteoware software to perform skeletal inventories and analysis
- Identified, recorded, and photographed pathologies

Eastern Boeotia Archaeological Research Project – Ancient Eleon Summer 2021
Harma, Greece

- Member of research team from Texas State University
- Performed geophysical surveys, including resistivity, gradiometry, and resistivity lines
- Cleaned and prepared bones for analysis

Ancient Mitrou – aDNA Temporal Testing Summer 2021
Tragana, Greece

- Photographed and collected the petrous portion of the temporal bone for aDNA sampling

Ancient Kition Sarcophagus Excavation Summer 2021
Larnaca, Cyprus

- Excavated a sarcophagus from the site
- Documented identifiable skeletal elements using mapping techniques
- Logged identifiable skeletal elements by element and side
- Created photogrammetry models
- Determined the minimum number of individuals (MNI)

Research Assistant Spring, Summer 2021
Department of Sociology, Anthropology, and Criminal Justice, Clemson University *Clemson, SC*

- National Institute of Health funded research project: Craniofacial Dysmorphology Associated with Phelan-McDermid Syndrome using Three-Dimensional Morphometrics
- Collected data, performed data management, and assisted in research
- Rendered and landmarked facial morphology using craniofacial scans

Creative Inquiry Research – An Examination of Death in Pickens County Fall 2019 – Spring 2021
Department of Sociology, Anthropology, and Criminal Justice, Clemson University *Clemson, SC*

- Collaborated with Pickens County Coroner's Office to input records online
- Explored patterns of death to compare to larger trends
- Managed database using ArcGIS

Forensic Anthropology Internship

Southeast Texas Applied Forensic Science (STAFS) Facility, Sam Houston State University

Summer 2020
Huntsville, TX

- Labeled and inventoried skeletal remains
- Assisted in preparing chain of custody documentation of STAFS Skeletal Collection for loan of skeletal remains
- Macerated skeletal remains
- Assisted in placement of donated bodies for decomposition research
- Estimated age, sex, stature, and ancestry of human remains
- Utilized FORDISC software

Human Remains Recovery Course

Forensic Anthropology Center at Texas State (FACTS)

Summer 2020
San Marcos, TX

- Received instruction in human osteology and estimating postmortem interval
- Identified graveside decomposition indicators
- Recovered buried and scattered human remains in the field
- Practiced correct protocol and documentation of forensic cases

Forensic Anthropology Methods Course

Forensic Anthropology Center at Texas State (FACTS)

Summer 2020
San Marcos, TX

- Received instruction in developing biological profiles, interpreting bone trauma, human versus non-human osteology identification methods, and skeletal inventorying
- Gained hands-on training by examining the Texas State Donated Skeletal Collection
- Estimated biological profile of human remains
- Utilized ADBOU, TA2, TA3, and FORDISC

Human Osteology Course

Forensic Anthropology Center (FAC), University of Tennessee

Summer 2019
Knoxville, TN

- Studied human skeletal anatomy and terminology
- Identified complete and fragmentary human skeletal remains
- Examined anatomical variations in bones

Forensic Anthropology Fieldwork

The Irish Archaeology Field School, Maynooth University

Summer 2019
Wexford, Ireland

- Mapped and excavated human skeletal remains
- Analyzed archaeological human skeletal remains
- Determined age-at-death, sex, and stature of human skeletal remains
- Differentiated between non-human and human skeletal remains

Archaeological Artifact Analysis Summer Research

Fort Hill Archaeological Project, Clemson University

Summer 2019
Clemson, SC

- Cleaned artifacts for preservation
- Identified, cataloged, and bagged artifacts
- Collaborated to determine origin of artifacts
- Attended additional research site at Clemson University Restoration Institute, Warren Lasch Conservation Center in Charleston, South Carolina

Forensic Anthropology Case – Oconee County Coroner's Office

Clemson University

Summer 2019
Clemson, SC

- Assisted with cleaning of skeletal remains
- Photographed skeletal remains for documentation

HONORS, AWARDS, AND FELLOWSHIPS

The Graduate College Scholarship, Texas State University	Fall 2025
TXST Graduate Merit Fellowship, Texas State University	Spring 2025
Love of Learning Award, Phi Kappa Phi	Fall 2024
Gowens Doctoral Merit Fellowship, Texas State University	Fall 2024
Fulbright U.S. Student Program 2023-2024 Finalist, Republic of Georgia	Spring 2023
2023 Outstanding Master's Student in Anthropology, Texas State University	Spring 2023
The Graduate College Scholarship, Texas State University	Fall 2022, Spring 2023
Phi Kappa Phi Honor Society	Fall 2022
Alpha Chi National College Honor Society, Texas Iota Chapter	Fall 2022
The Graduate College Graduate Thesis Research Support Fellowship, Texas State University	Fall 2022
The Grady Early Research Endowment in Forensic Anthropology, Texas State University	Spring 2022
Graduate Endowed Fellowship in Liberal Arts, Texas State University	Fall 2021, Spring 2022
Grady Early Fellowship Award, Texas State University	Fall 2021
Lambda Alpha, National Anthropology Honors Society	Spring 2020
Clemson Center for Geospatial Technology, GIS Day 2019 Mapping Contest, Team Winner	Fall 2019
Omicron Delta Kappa, National Leadership Honor Society	Spring 2019
Sigma Alpha Lambda, National Leadership and Honors Organization	Spring 2019
Clemson University Rally Cat Dance Team Scholarship	Fall 2018 – Spring 2021

PRESENTATIONS & PUBLICATIONS

Beane, K. (2024, June 29). *Tackling Challenges with the Georgian Recovery, Documentation, and Identification Project* [Conference presentation]. 8th International Scientific Practical Conference in Forensic Medicine of Georgia, Tbilisi, Republic of Georgia.

McKenna, K. & Beane, K. (2024). Effects of Socioeconomic Status on Age at Death and Cause of Death [Published abstract]. *American Journal of Biological Anthropology: Program of the 93rd Annual Meeting of the American Association of Biological Anthropologists*, 183(S77), 117.

Beane, K. (2023). Sex Estimation Using Interlandmark Distances of the Zygomatics [Published abstract]. *Proceedings of the American Academy of Forensic Sciences 75th Anniversary Scientific Conference*, 29, 99.

Gonashvili, M., Kamnikar, K.R., Herrmann, N.P., Tavartkiladze, N., Takniashvili, T., Chachkhiani, B., Beane, K. (2023). The Georgian Recovery, Documentation, and Identification Project: Preliminary Results from a Mass Grave Excavation [Published abstract]. *Proceedings of the American Academy of Forensic Sciences 75th Anniversary Scientific Conference*, 29, 117.

Gonashvili, M., Kamnikar, K., Spiros, M., Herrmann N.P., Takniashvili, T., Tavartkiladze, N., Banks, P., Beane, K., Cruz, K., Dunn, R., Plemons, A., Robledo, I., Chachkiani, B. (2023, February 13–18). *Navigating stakeholder relationships in humanitarian forensic work: Lessons learned from Georgia* [HHRRC Poster session]. American Academy of Forensic Sciences 75th Anniversary Scientific Conference, Orlando, FL.

Geist, A., Houk, E., Honaker, K., Spence, K., Beane, K., Moran, K., Lindsey, K., Haeberle, L. Haliq, Z., White, Z., Weisensee, K. (Advisor). (2021, April 1–2). *Patterns of Suicide Methods in Pickens County (1971-2009)* [Poster presentation]. 16th Annual Focus on Creative Inquiry Poster Forum, Clemson, SC.

Beane, K. (2021, February 1). *Forensic Anthropology Summer Internship Opportunity* [Presentation]. Clemson University Anthropology Club Meeting, Clemson, SC.

Henry, C., Richardson, S., Beane, K., Haeberle, L., Tetrault, K., Rusthoven, L., Weisensee, K. (Advisor). (2019, November 13). *Mapping Death: Correlating Social Vulnerabilities with Manners of Death* [Poster presentation]. Clemson Center for Geospatial Technologies – Geographic Information System (GIS) Day, Clemson, SC.

TECHNICAL REPORTS

Beane, K. & Herrmann, N.P. (2023). *Geophysical Survey of Section C of the Der Stadt Friedhof Cemetery, Fredericksburg, Texas*. Report prepared for Dr. Paul Phillips, III and Der Stadt Friedhof Cemetery Board, Fredericksburg, Texas, by Texas State University Department of Anthropology.

ACTIVITIES AND LEADERSHIP

Guest Speaker for Dollars & Sense: Fulbright U.S. Student Researcher	Spring 2025
<i>The Graduate College External Funding, Texas State University</i>	

Portable X-ray Trained	Fall 2024
○ Completed online X-ray Operator Safety training ○ Completed in-person machine training with a MinXray TR90B	

2023 American Academy of Forensic Sciences Annual Scientific Meeting	Spring 2023
○ Attended scientific session presentations in Orlando, Florida ○ Presented poster as primary author and co-authored a presentation and HHRRC poster	

FACTS Field and Forensic Casework Team	Fall 2022
<i>Search and Recovery (SRT) and Case Analysis Team (CAT) Assistant Member</i>	

Forensic Anthropology Presentation at Rainbow Lake Middle School	Fall 2021, Fall 2022
<i>Presenter</i>	
○ Presented to multiple 7th-grade classes ○ Educated students on the topic of forensic anthropology ○ Led case study activity ○ Informed students of future STEM career choices ○ Answered questions and engaged students in discussion	

2022 American Academy of Forensic Sciences Annual Scientific Meeting	Spring 2022
○ Attended scientific session presentations in Seattle, Washington	

2021 – 2022 Graduate College Shop Talks Certificate of Completion Fall 2021

Graduate and Career Professional Development

- Participated in eight Graduate College Shop Talks
- Developed research strategies, networking tools, and career planning

2020 American Academy of Forensic Sciences Annual Scientific Meeting Spring 2020

- Attended scientific session presentations in Anaheim, California

Clemson University Anthropology Club Fall 2018 – Spring 2021

Secretary, 2020

- Engaged and coordinated meetings with fellow anthropology students
- Took minutes, corresponded with email interests, and updated members

Clemson University Rally Cat Dance Team Fall 2018 – Spring 2021

Collegiate Athletic Team

- Represented Clemson University
- Performed at Clemson athletic events and in the community
- Competed at the Collegiate National Dance Association Championship
- Coordinated the team's workweek practice schedules, locations, and instructors
- Taught dance clinics across South Carolina

RESEARCH INTERESTS

Forensic Anthropology • Human Osteology • Trauma Analysis • Identification • Mass Fatality
Commingle Remains

SKILLS

FORDISC • ADBOU • TA2 • TA3 • ArcGIS Pro • FileMaker Pro • 3Skull
Microsoft PowerPoint • Microsoft Word • Microsoft Excel • Microsoft Access • Osteoware
ViewBox • MeshLab • rASUDAS • SPSS • RStudio • MaMD Analytical
3D ILD Software • Adobe Photoshop • GPS RTK (Trimble) • GPR-SCLICE
GPR – GSSI SIR 4000 (200 HS & 350 HS antenna) • Resistivity Surveying (TAR-3 Resistance Meter)
TerraSurveyor Lite • MinXray TR90B • Magnetometry (SENSYS MXPDA system)

PROFESSIONAL AFFILIATIONS

American Association of Biological Anthropologists	Summer 2023 – Present
American Academy of Forensic Sciences	Fall 2021 – Present
Texas Academy of Science	Fall 2021 – Present
American Anthropology Association	Fall 2019 – Present
Society for Applied Anthropology	Fall 2019 – Present
Archaeological Institute of America	Spring 2019 – Present