

Amy Hair

Curriculum Vita

Department of Geography and Anthropology

Louisiana State University

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Baton Rouge, LA 70803

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Current Position

Ph.D Candidate and Graduate Assistant at Louisiana State University

Education

- Ph.D. **Louisiana State University**, Baton Rouge, Louisiana In Progress
Anthropology
Graduate Certificate in Geographic Information Sciences
GPA: 4.05
- M.A. **University of Southern Mississippi**, Hattiesburg, Mississippi May 2020
Anthropology
Thesis: An Assessment of the Use of Photogrammetry in
Cranial Metric and Nonmetric Studies
GPA: 3.78
- B.A. **Michigan State University**, East Lansing, Michigan May 2018
Major in Anthropology, with honor
Minors in Digital Humanities and Environmental
and Sustainability Studies
GPA: 3.90

Research Interests

Bioarchaeology, biological anthropology, bone histology, labor, biomechanics, colonial archaeology, Central America, Maya Archaeology, cultural heritage preservation, photogrammetry, 3D methodologies, historical archaeology, ethnohistory, digital humanities

Honors, Grants, and Awards

- Fall 2020-Present** Louisiana State University Graduate Assistantship
Fall 2019 South-Central Conference on Mesoamerica Student Travel Award
Fall 2019- Spring 2020 University of Southern Mississippi Graduate Assistantship
Spring 2019 University of Southern Mississippi Research and Professionalization Grant
Fall 2018-Spring 2019 University of Southern Mississippi Graduate Assistantship
Fall 2017 Michigan State University Provost Undergraduate Research Initiative Grant
Fall 2017 Michigan State University Department Fellowship
Spring 2017 M. Peter McPherson Study Abroad Scholarship
Spring 2015-Spring 2018 Michigan State University Honors College
Fall 2014-Spring 2018 Deans List
Fall 2014 RISE Program Grant for Sustainable Campus Bat Houses

Field Work

December 2022-Present	Belize River East Archaeology Project, Staff, Lab Director and Field Crew Member
January 2022	William Oglesby Reconnaissance, Crew Member
September 2019-April 2020	Oliver Block Excavation, The University of Southern Mississippi, Crew Member
September 2019- April 2020	Austin Block Excavation, The University of Southern Mississippi, Crew Member
June 6th-7th, 2019	Michigan State University Campus Archaeology, Field School Volunteer
March-May 2019	John Ford Excavation and Survey, Field Crew Member
April 6th, 2019	Juan de Vegas and Family Crypt Excavation and Consultation, The University of Southern Mississippi, Field Crew Member
October 2018-March 2019	East 8 th Street Cemetery Survey, The University of Southern Mississippi, Field Crew Member
Summer 2018	Michigan State University Campus Archaeology, Field Crew Member
March 2018	Michigan State University Campus Archaeology, Flood Survey, Volunteer
December 2017	John Ford Excavation, The University of Southern Mississippi, Volunteer
Summer 2017	ANP 464: Field Methods in Archaeology: Central Belize Archaeological Survey, Student
Summer 2016	ANP 464: Field Methods in Archaeology: Morton Village Field School, Student

Research Experience

Fall 2022-Present	Archaeology Lab, Louisiana State University, Lab Director <ul style="list-style-type: none">● Artifact preservation● Overseeing student employees
Spring 2021-Present	Cortical Histology at Tipu, Principal Investigator , Louisiana State University <ul style="list-style-type: none">● Cortical histology of ribs and long bones● Thin section production and imaging

- August 2018-May 2020** University of Southern Mississippi Research Assistant, **Biological Anthropology Lab Manager**
- Tipu collection management
 - Organizing classroom lab sessions
 - Mississippi Department of Archives and History collections inventory and reporting
 - Forensic case consulting
 - Outreach and educational development
- Spring 2017-Spring 2019** Maya Cranial Photogrammetry Project, **Project Member**
- Photogrammetric cranial data collection in Belize and Guatemala
 - Photogrammetric cultural heritage data collection in Belize
- January 2017-July 2018** Michigan State University Bioarchaeology Lab, **Volunteer**
- Processing of bioarchaeological material
 - Independent research project on Maya crania and biodistance using photogrammetry
- August 2016- May 2018** Morton Village Archaeology Lab **Volunteer**
- Artifact classification and cataloging
 - Ceramic reconstruction and data collection
 - Collection Inventory
- Fall 2016-Spring 2017** Michigan State University Museum Collections **Archaeological Curation Assistant**
- Artifact preservation
 - Prehistoric and historic classification

Publications

Hair, Amy, Peter Mercier, Mariah Biggs, and Marie Elaine Danforth. 2023. "Life on the Colonial Frontier: Maya Osteobiography at Tipu, Belize." In *The Lives and Deaths of Ancient Mesoamerican Individuals*. Gainesville, FL: University Press of Florida. (*under review*)

Hair, Amy Lynn. "Historical Forensics: The use of Medicine and Forensic principles in Bioarchaeological and Historical Research." In *Anthropology Book Forum*, vol. 7, no. 1.

Wrobel, Gabriel D., Jack Biggs, and **Amy Hair** Digital Modeling for Bioarchaeologists in *Advances in Archaeological Practice*. March 4, 2019.

Professional Presentations

Hair, Amy. 2023. Mapping Structural Vulnerability at Tipu (1543-1707 AD), a Colonial Maya Site in Belize. Poster presented at the 50th Annual Paleopathology Association Meeting in Reno, NV. (*accepted*)

Chicoine, David and **Amy Hair**. 2022. Photogrammetry and 3D Modeling at Cerro San Isidro, Nepeña Valley,

Peru. Poster presented at the 88th Society for American Archaeology meeting in Chicago, IL.

Hair, Amy. 2022. Geospatial distribution of craniosynostosis at Tipu, Belize, and its implications for burial patterning on the colonial frontier (1543-1707 AD). Poster presented at the 49th Annual Paleopathology Association Meeting in Denver, CO.

Danforth, Marie Elaine, Carson Rouse, Rylie Halfhill, **Amy Hair**, Casey LeJeune, and Stacy Scott. Comparison of Health Patterns of Two Ossuaries at the Shady Grove Site (22QU525), Quitman Co., MS. 2020Poster Presented at the 89th Annual American Physical Anthropology Conference in Los Angeles, CA. (*Canceled due to the COVID-19 Pandemic*)

Hair Amy. 2019. Digital Dilemmas: Assessing the Accuracy of Digital Biodistance Measures from the Tipu Collection, Paper Presented at the 10th Annual South-Central Conference on Mesoamerica in Baton Rouge, LA.

Hair, Amy. 2019. Digitization of Historic Cemeteries: A Case Study in Hattiesburg, Paper presented at the South-Central Historical Archaeology Conference in Hattiesburg, MS.

Hair, Amy, Gabriel Wrobel, and Jack Biggs. 2019. The Maya Cranial Photogrammetry Project: A Look at Ethics and Best Practices, Paper presented at the 84th Society for American Archaeology meeting in Albuquerque, NM.

Wrobel, Gabriel D., Jack Biggs, and **Amy Hair**. 2018. The Maya Cranial Photogrammetry Initiative, Paper presented at the 16th Belize Archaeological Symposium in San Ignacio, Cayo, Belize.

Wrobel, Gabriel D., **Amy Hair**, and Jack Biggs. 2018. The Maya Cranial Photogrammetry Project Poster at the 83rd Society for American Archaeology meeting in Washington, DC.

Hair, Amy. 2018. Craniometric Analysis Using 3D Models, Paper presented at Michigan State University Undergraduate Research and Arts Forum in East Lansing, MI.

Hair, Amy et al. 2018. Critical Comics, Poster presented at the Michigan State University Undergraduate Research and Arts Forum in East Lansing, MI.

Hair, Amy. 2018. Digital Craniometrics, Poster presented at Michigan State University Anthropology Department's First Annual Undergraduate Research Symposium in East Lansing, MI.

Teaching Experience

Spring 2023

Louisiana State University, **Teaching Assistant**
ANTH 4028: Maya in the Media

Fall 2022

Louisiana State University, **Teaching Assistant**
ANTH 2015: Introduction to Archaeology

Spring 2022

Louisiana State University, **Instructor of Record**
ANTH 2050: World Archaeology

Fall 2021

Louisiana State University, **Teaching Assistant**
ANTH 1001: Introduction to Physical Anthropology and Prehistory

April 20th, 2021

The University of Southern Mississippi, **Guest Lecture**
Gender, Identity, and Sexual Hybridity at the Tipu Site

Fall 2020- Spring 2021	Louisiana State University, Teaching Assistant GEOG: 1003: The Geography of Asia and Africa
Spring 2020	The University of Southern Mississippi, Teaching Assistant ANT 342: Introduction to Forensic Anthropology
Spring 2019-Spring 2020	Biological Anthropology Lab Undergraduate Student Research Supervisor
August 20th, 2019	The University of Southern Mississippi, Introduction to Forensic, Guest Lecture on Forensic Anthropology Principles and Lab Methods
April 5th, 2019	The University of Southern Mississippi, Osher Lifelong Learning Institute, Guest Lecture on Forensic Anthropology Recovery
April 2nd, 2019	The University of Southern Mississippi, Introduction to Forensic, Guest Lecture on Forensic Anthropology Lab Methods
Spring 2019	The University of Southern Mississippi, Teaching Assistant ANT 342: Introduction to Forensic Anthropology ANT 101: The Human Experience
December 11th, 2018	The University of Southern Mississippi St. Luke's Episcopal Forensic Anthropology Workshop Lecturer
October 29th-31st, 2018	The University of Southern Mississippi, Introduction to Forensic, Guest Lecture on Forensic Anthropology Lab Methods
October 23rd, 2018	The University of Southern Mississippi, Introduction to Forensic Science, Guest Lecture on Forensic Anthropology
September 21st, 2018	The University of Southern Mississippi, Osher Lifelong Learning Institute, Guest Lecture on Forensic Anthropology
<u>Outreach Work</u>	
December 12th, 2019	The University of Southern Mississippi Oak Grove Elementary School Forensic Anthropology Workshop, Volunteer
October 25th, 2019	Camp Shelby Forensic Anthropology Workshop, Volunteer
December 14th, 2018	The University of Southern Mississippi Oak Grove Elementary School Forensic Anthropology Workshop, Volunteer
October 20th, 2018	Mississippi Archaeology Day Volunteer for The University of Southern Mississippi
April 7th, 2018	Campus Archaeology Volunteer for Michigan State University Science Festival
January 19th, 2018	Campus Archaeology Volunteer for Middle School Archaeology Outreach

October 28th, 2017	Campus Archaeology Volunteer for Michigan Archaeology Day
October 25th, 2017	Campus Archaeology Volunteer for Michigan State University Haunted Campus Tour
April 8th, 2017	Campus Archaeology Volunteer for Michigan State University Science Festival
Fall 2015	Alternative Spartan Break's Site Leader , Operation Breakthrough, Kansas City, MO
Spring 2015	Alternative Spartan Break Participant , Tree of Life Mission, Rosebud Reservation, SD

Graduate Course Work

ANP 843	Bioarchaeology
ANP 870	Professional Issues in Anthropology
ANT 537	Heritage Resources and Public Policy
ANT 539	Archaeology of Colonial Encounters and Indigenous Resistance in the New World
ANT 541	Human Variation
ANT 542	Medical Anthropology
ANT 545	Bioarchaeology
ANT 546	Primate Behavior and Biology
ANT 601	Teaching Anthropology
ANT 602	Researching Anthropology
ANT 621	Seminar in Ethnology
ANT 631	Seminar in Archaeology
ANT 641	Seminar in Biological Anthropology
ANT 692	Advanced Osteology
ANT 698	Thesis
ANTH 7108	Maya Archaeology
ANTH 7909	Rise of the Genus Homo
ANTH 7954	Anthropology of Complex Societies: Contemporary Ethnography
ANTH 7999	Independent Research: Photogrammetry at Cerro San Isidro
ANTH 9000	Dissertation Research
GEOG 4022	Computer Cartography
GEOG 4046	Web GIS
GEOG 4047	Geographic Information Systems
GEOG 7973	Advanced Geographic Information Systems
REF 602	Introduction to Educational Statistics

Skills

Lab

- Anthropological report writing
- Photogrammetry
- Ceramic reconstruction
- Artifact classification, processing, and inventorying

- Biological profile analysis
- Forensic case analysis
- Artec3D Leo Scanner
- Nextengine Scanner

Software

- ArcGIS Pro
- Adobe Acrobat
- Agisoft Metascan
- Canvas X Draw
- FORDISK
- Image J
- Microsoft Word, PowerPoint, Excel
- Morphoj
- Photoshop
- SPSS
- Tableau
- Zotero

Field

- Excavation
- Survey
- Reconnaissance
- Total Station
- Forensic Recovery

Professional Memberships and Affiliations

2021-Present	Paleopathology Association <i>Student Affiliate</i> 2021-2022: Junior Co-Chair Student Board 2022-2023: Senior Co-Chair Student Board
2020-Present	Louisiana State University Geography and Anthropology Graduate Student Association 2020-2022: Member 2022-2023: Vice President
2020-Present	Lambda Alpha 2022-Present: Social Media Chair
2019-2021	South-Central Historical Archaeology Association
2019-2020	University of Southern Mississippi Anthropology Club Co-President

Professional Meetings Attended

March 21 st -24, 2022	Paleopathology Association Annual Meeting, Denver, Colorado
November 6 th -9 th , 2019	Southeastern Archaeological Conference, Jackson, Mississippi
October 18-20 th , 2019	South-Central Conference on Mesoamerica, Baton Rouge, Louisiana
September 13 th -15 th , 2019	South-Central Historical Archaeology Conference, Hattiesburg, Mississippi
April 10 th -April 14 th , 2019	Society for American Archaeology Conference Albuquerque, New Mexico
March 30 th , 2019	Mississippi Archaeological Association Conference, Oxford, Mississippi
June 27 th -June 29 th , 2018	Belize Archaeological Symposium, San Ignacio, Cayo District, Belize

April 13th, 2018

Michigan State University Undergraduate Research and Arts Forum, East
Lansing, Michigan

October 17th-18th, 2017

Midwest Archaeology Conference, Indianapolis, Indiana

References

Available upon request