

# Amy Hair

Curriculum Vita

Department of Geography and Anthropology  
Louisiana State University  
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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

GPA: 4.16

Graduate Certificate in Geographic Information Sciences

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, forensic anthropology, biological anthropology, bone histology, labor, biomechanics, colonial archaeology, Central America, Maya Archaeology, cultural heritage preservation, photogrammetry, 3D methodologies, historic 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

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 6<sup>th</sup>-7<sup>th</sup>, 2019

Michigan State University Campus Archaeology, Field School  
**Volunteer**

March- May 2019

John Ford Excavation and Survey, **Field Crew Member**

April 6<sup>th</sup>, 2019

Juan de Vegas and Family Crypt Excavation and Consultation, The University of Southern Mississippi, **Field Crew Member**

October 2018-March 2019

East 8<sup>th</sup> 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

Spring 2021-Present

Cortical Histology at Tipu, **Principal Investigator, Louisiana State University**

- Cortical histology of ribs
- 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 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**
- 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
- Fall 2016-Spring 2017** Michigan State University Museum Collections **Archaeological Curation Assistant**

### Publications

**Hair, Amy Lynn.** "Historical Forensics: The use of Medicine and Forensic principles in Bioarchaeological and Historic 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

Chicoine, David and **Amy Hair.** 2022. Photogrammetry and 3D Modeling at Cerro San Isidro, Nepeña Valley, Peru. Poster presented at the 88<sup>th</sup> 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 49<sup>th</sup> 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 89<sup>th</sup> 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 10<sup>th</sup> 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. 2018. The Maya Cranial Photogrammetry Project: A Look at Ethics and Best Practices, Paper presented at the 84<sup>th</sup> 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 at 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

**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 20<sup>th</sup>, 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 20<sup>th</sup>, 2019**

The University of Southern Mississippi, Introduction to Forensic, **Guest Lecture**  
on Forensic Anthropology Principles and Lab Methods

**April 5<sup>th</sup>, 2019**

The University of Southern Mississippi, Osher Lifelong Learning Institute,  
**Guest Lecture** on Forensic Anthropology Recovery

**April 2<sup>nd</sup>, 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 11<sup>th</sup>, 2018**

The University of Southern Mississippi St. Luke's Episcopal Forensic  
Anthropology Workshop **Lecturer**

**October 29<sup>th</sup>-31<sup>st</sup>, 2018** The University of Southern Mississippi, Introduction to Forensic, **Guest Lecture** on Forensic Anthropology Lab Methods

**October 23<sup>rd</sup>, 2018** The University of Southern Mississippi, Introduction to Forensic Science, **Guest Lecture** on Forensic Anthropology

**September 21<sup>st</sup>, 2018** The University of Southern Mississippi, Osher Lifelong Learning Institute, **Guest Lecture** on Forensic Anthropology

### Outreach Work

**December 12<sup>th</sup>, 2019** The University of Southern Mississippi Oak Grove Elementary School Forensic Anthropology Workshop, **Volunteer**

**October 25<sup>th</sup>, 2019** Camp Shelby Forensic Anthropology Workshop, **Volunteer**

**December 14<sup>th</sup>, 2018** The University of Southern Mississippi Oak Grove Elementary School Forensic Anthropology Workshop, **Volunteer**

**October 20<sup>th</sup>, 2018** Mississippi Archaeology Day **Volunteer** for The University of Southern Mississippi

**April 7<sup>th</sup>, 2018** Campus Archaeology **Volunteer** for Michigan State University Science Festival

**January 19<sup>th</sup>, 2018** Campus Archaeology **Volunteer** for Middle School Archaeology Outreach

**October 28<sup>th</sup>, 2017** Campus Archaeology **Volunteer** for Michigan Archaeology Day

**October 25<sup>th</sup>, 2017** Campus Archaeology **Volunteer** for Michigan State University Haunted Campus Tour

**April 8<sup>th</sup>, 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
GEGO 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 and processing
- Biological profile analysis
- Forensic case analysis

### *Software*

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- Arc GIS
- 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
2019-2021	South-Central Historical Archaeology Association
2019-2020	University of Southern Mississippi Anthropology Club Co-President

### Professional Meetings Attended

March 21 <sup>st</sup> -24, 2022	Paleopathology Association Annual Meeting, Denver, Colorado
November 6 <sup>th</sup> -9 <sup>th</sup> , 2019	Southeastern Archaeological Conference, Jackson, Mississippi
October 18-20 <sup>th</sup> , 2019	South-Central Conference on Mesoamerica, Baton Rouge, Louisiana
September 13 <sup>th</sup> -15 <sup>th</sup> , 2019	South-Central Historical Archaeology Conference, Hattiesburg, Mississippi
April 10 <sup>th</sup> -April 14 <sup>th</sup> , 2019	Society for American Archaeology Conference Albuquerque, New Mexico
March 30 <sup>th</sup> , 2019	Mississippi Archaeological Association Conference, Oxford, Mississippi
June 27 <sup>th</sup> -June 29 <sup>th</sup> , 2018	Belize Archaeological Symposium, San Ignacio, Cayo District, Belize
April 13 <sup>th</sup> , 2018	Michigan State University Undergraduate Research and Arts Forum, East Lansing, Michigan
October 17 <sup>th</sup> -18 <sup>th</sup> , 2017	Midwest Archaeology Conference, Indianapolis, Indiana

### References

*Available upon request*