

**CAITLIN BROOKE YOAKUM**  
**CURRICULUM VITAE**

University of Arkansas | Department of Anthropology | Old Main 330 Fayetteville, AR 72701  
cbyoakum@email.uark.edu

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**EDUCATION**

- In Progress *University of Arkansas*  
**Doctor of Philosophy in Anthropology**  
Advisor: Claire Terhune, PhD  
Ph.D. Candidate, exams completed Fall 2018
- 2016 *Texas Tech University*  
**Master of Arts in Anthropology**, Minor in Classics  
Advisor: Anna Novotny, PhD
- 2014 **Bachelor of Arts in Anthropology**, Minor in Forensic Sciences  
Honors Thesis Advisor: Robert R. Paine, PhD  
Texas Tech University Honors College Program, Graduated Cum Laude

**RESEARCH INTERESTS**

Human variation, digital imaging, 3D modeling, microCT scans, barium-latex injections, primatology, European archaeology, skeletal biology, forensic anthropology, bioarchaeology

**EMPLOYMENT HISTORY**

- Summer 2019 High Point University Anatomy Fellow, High Point University, Physician Assistant Studies
- 2016-Present Graduate Teaching Assistant, University of Arkansas, Department of Anthropology
- 2014-2016 Graduate Teaching Assistant, Texas Tech University, Department of Sociology, Anthropology, and Social Sciences
- 2014-2015 Anthropology and Social Sciences Tutor, Texas Tech University Marsha Sharp Center for Student Athletes  
Tutored athletes in Physical Anthropology, American Public Policy, International Communications, Honors Musical Theory

**AWARDS/SCHOLARSHIPS/FUNDING**

- 2019 University of Arkansas Graduate School student travel funding, \$1,000 for national conference
- 2018 University of Arkansas ARSC Dissertation Research Award, \$5,000 for travel and lodging at any research facility, library, or research laboratory
- 2018 University of Arkansas Graduate School student travel funding, \$1,000 for national conference
- 2017 National Science Foundation Research Traineeship (NRT) STEM Professional Awareness, Advancement, and Development (PAAD), University of Arkansas, \$1,500 travel funding
- 2016 Distinguished Doctoral Fellowship, University of Arkansas, \$22,000/year for four years
- 2016 Texas Tech University Graduate School Funding allocation, \$65
- 2016 Texas Tech University Department of Sociology, Anthropology, and Social Work travel funding allocation, \$767
- 2014 Most Outstanding Undergraduate Thesis Award, TTU Honors College
- 2014 Highest Honors Award Recipient, TTU Honors College
- 2014 Top Oral Presenter, TTU Undergraduate Research Conference

- 2013 Lambda Alpha Anthropology Honors Society Will Queen Paper Scholarship Award, \$100
- 2013 Texas Tech University Arts and Sciences Academic Achievement Scholarship, \$1,200
- 2013 Texas Tech University Honors College Study Abroad Scholarship, \$1,400
- 2010 Commerce Alliance Bank Scholarship, \$8,000
- 2010 Texas Tech University Merit Scholarship, \$20,000
- 2010 Rotary Club Scholarship, \$2,000

**PUBLICATIONS**

**Under Review.** Robinson CR, Yoakum, CB. Variation in accessory mental foramen frequency and number in extant hominoids. Submitted to: *The Anatomical Record*, August 7, 2019.

- 2019 Yoakum CB, Romero AN, Moore C, Douglas EC, Gallagher KM, Terhune CE. A biomechanical analysis of cervical spine posture using geometric morphometrics. *Clinical Anatomy* (Early Preview).

**PUBLISHED ABSTRACTS OF PROFESSIONAL PRESENTATIONS**

- 2019 Halenar-Price L, Shearer B, Terhune CE, Yoakum CB, Cooke SB. Get an eyeful of this: Gross anatomy and morphometrics of the squirrel monkey (*Saimiri*) interorbital region. *Am J Phys Anthropol* 168(S68):95.
- 2019 Yoakum CB, Terhune CE. An assessment of the neurovascular structures of the trigeminal nerve and their relationship to tooth morphology in *Rattus sp.*, *Pithecia pithecia*, *Saimiri sciureus*, and *Chiropotes sp.* *Am J Phys Anthropol* 168(S68):277.
- 2018 Moore C, Yoakum CB, Romero AN, Douglas EC, Gallagher KM, Terhune, CE. A biomechanical analysis of cervical spine posture using geometric morphometrics. American Association of Anatomists. April 2018.
- 2018 Yoakum CB, Terhune CE. 2018. A comparison of the cross-sectional area of the primate mandibular canal and associated foramina. *Am J Phys Anthropol* 165(S66):308.
- 2014 Yoakum CB, Paine R.R. 2014. Determining the Number of Impact Events to a Pig Skull: A Means for Assessing Blunt Force Trauma. *Am J Phys Anthropol* 5(153): 279.

**INVITED PRESENTATIONS**

- 2018 Investigating the relationship between primate diet and innervation using diceCT. University of North Texas – Health Sciences Center, Center for Anatomical Sciences, Fort Worth, TX. September 21, 2018.

**PRESENTATIONS (ABSTRACTS NOT PUBLISHED)**

- 2018 Yoakum CB, Terhune C. An assessment of the neurovascular structures in the mandibular canal and their effect on diet in primates. Lambda Alpha Symposium, Wichita State University, April 7.
- 2015 Yoakum CB, Durband A. An assessment of sexual dimorphism using CT scans in the crania from Roonka Flat, South Australia. Texas Association of Biological Anthropologists, Annual Convention, October 23-24.
- 2014 Yoakum CB. Determining the number of impact events to a pig skull: a means for assessing blunt force trauma.” TTU Undergraduate Research Conference, Texas Tech University, April 15.
- 2013 Yoakum CB. A preliminary analysis of blunt force trauma to adult pig skulls. TTU Undergraduate Research Conference, Texas Tech University, April 24-25.

**TEACHING EXPERIENCE**

- Summer 2019 High Point University Anatomy Fellow, High Point University

- 2014-Present Courses Taught: Human Gross Anatomy Lab  
Graduate Teaching Assistant, Texas Tech University and the University of Arkansas  
Courses Taught: Introduction to Biological Anthropology Lab, Introduction to Cultural Anthropology, Anthropology at the Movies
- 2014-2016 IDEAL Camps Forensic Science Instructor, Texas Tech University  
Forensic Science with a focus on Psychology, Archaeology, and Anthropology
- 2013-2014 Student Forensic Assistant, Texas Tech University

### **PROFESSIONAL SERVICE**

- 2016-2018 University of Arkansas Stigler Lecture Series Committee member
- Fall 2015 Texas Tech University Study Abroad Competitive Scholarship Committee
- 2015-2016 Texas Tech University Forensic Society, Historian Fall 2015-Spring 2016
- Fall 2014 Texas Tech University Study Abroad Competitive Scholarship Committee
- 2013-2016 Texas Tech University Anthropology Society  
Student Organization Representative Council Representative (2013-2014)  
Parliamentarian (2014-2015)
- 2013-2016 Lambda Alpha Honors Society  
SORC Representative (2013-2014)  
President (2014-2016)

### **RESEARCH EXPERIENCE**

- 2018-Present MICRO graduate student researcher, trained to operate MicroCT scanner at the University of Arkansas and in data processing, Dr. Claire Terhune
- 2018-Present Barium-latex injections, BL injections used in soft-tissue specimens to determine the vascular structure related to the carotid canal and whole head, Dr. Claire Terhune and Dr. Haley O'Brien
- 2017-2018 Arkansas Archaeological Survey Project, Research Assistant, Dr. Anne Early
- 2015-2016 University of Arkansas, 3D Cast Collection Scanning and scan editing (Flexscan and Geomagic), Terhune Lab, Dr. Claire Terhune
- Spring 2016 Texas Tech University, Research and Database compilation for Maya burials, Dr. Anna Novotny
- 2013-2014 Texas Tech University Senior Honors Thesis Program, Research Assistant to Dr. Robert Paine

### **ACADEMIC FIELDWORK**

- Summer 2017 Bioarchaeologist Crew Member, Marzuolo Archaeological Project, Cingiano, Italy, Dr. Rhodora Venarucci, University of Arkansas
- 2017 Crew Member, Pleistocene survey of the Oltet River Valley, Romania. Directors: Claire Terhune, Sabrina Curran, Chris Robinson, and Alexandru Petculescu
- Summer 2013 Crew Member, Chan Chich Archaeological Field School, Chan Chich Lodge, Belize, Run by Dr. Brett Houk, Texas Tech University

### **PUBLIC OUTREACH**

- 2017-Present What is Anthropology? | University of Arkansas  
Assisted with presentation about locomotion and dietary adaptations in primates  
Presented to Haas Hall Academy, Fayetteville, AR; Oakdale Middle School, Rogers, AR
- 2016-2017 Anthropology and Math | Lincoln Junior High School, Bentonville, AR  
Presented dietary adaptations to demonstrate how math is used in science and assisted 7<sup>th</sup> grade students in exercises using math to understand scientific concepts
- 2017 Girl Fest STEAM Expo | Fayetteville, AR

- Presented fossil castes to local girl scout troops to demonstrate how evolution is viewed in science and discussed other areas of study pertaining to Biological Anthropology
- 2017-2019 Anthropology Open House | University of Arkansas  
Presented and displayed methodologies to the Fayetteville community to convey the importance of biological anthropology in society today
- 2013-2016 Brown Bag Lecture Series | Texas Tech University  
Organized and hosted a public lecture series of professors within the department and graduate students with ongoing projects

### **PROFESSIONAL MEMBERSHIPS**

- 2019-Present The American Society of Mammologists
- 2017-Present The American Association of Anatomists
- 2017-Present Sigma Xi, The Scientific Research Honor Society
- 2016-Present University of Arkansas Anthropology Graduate Student Consortium
- 2015-Present American Association of Physical Anthropologists
- 2015-2017 Texas Association of Biological Anthropologists
- 2015-2016 Texas Tech University Forensic Sciences Society
- 2014-Present Phi Kappa Phi
- 2013-2016 Texas Tech Anthropology Society
- 2014-Present Lambda Alpha Anthropological Honors Society
- 2011-2014 Texas Tech University Honors College

### **WORKSHOPS AND TRAINING**

- 2018 Taphonomy Training Workshop, University of Arkansas, Sabrina Curran, Ph.D.
- 2017 OSU-CHS Avizo Workshop. University of Arkansas, Haley O'Brien, Ph.D.

### **LANGUAGE SKILLS**

Spanish: intermediate speaking level; reading and writing skills – intermediate

Last Revised: 7.27.19