

Ariane E. Thomas
24 Valley Run Drive, Cromwell, CT 06416
(860) 754-4220
thomasare@outlook.com

EDUCATION

- 2014-2016 **M.A. in Anthropology**, concentration in forensic anthropology
University of Montana
Thesis: *An evaluation of the effectiveness of eukaryotic DNA extraction from burial soil samples.*
Committee Chair: Meradeth Snow, PhD
- 2008-2012 **B.A. in Anthropology and Criminology**
Central Connecticut State University
Thesis: *Child skeletal morphology: an analysis of cranial and pelvic features in sex estimation.*
Committee Chair: Michael Alan Park, PhD

INTERNAL GRANTS

- 2015 Collaboration Challenge Research Grant, \$1000 toward supplies for my Master's thesis.

HONORS AND AWARDS

- 2008-2009 Provost's Merit Scholarship 9, \$1,000 toward my undergraduate tuition for two years.

TEACHING EXPERIENCE

- 2015 CJUS 125N: Fundamentals of Forensic Science. University of Montana. Fall TA
2015 ANTY 412: Osteology (two sections). University of Montana. Fall TA

PUBLICATIONS

- In Progress **Thomas, AE**, Snow, M, Holben, B. Eukaryotic DNA extraction from burial soil samples at incremental distances: a preliminary study. PLOS One. Anticipated Submission October 15, 2016.
- In Review Ullinger, J, Conlogue, J, Watts, M, Walton, A, Galbraith, M, **Thomas, A**, Freeman, L. Community bioarchaeology: the case of Mr. Fortune, an 18th-century enslaved man from Connecticut. Journal of Field Archaeology. Submitted August 16, 2016.
- In Review **Thomas, AE**. Craniometric analysis of African population diversity. HOMO- Journal of Comparative Human Biology. Submitted October 2, 2015.

ADDITIONAL EDUCATION & TRAINING

- 2012 Human Remains Recovery Workshop, Texas State University
2012 Laboratory Methods in the Identification of Human Skeletal Remains, Mercyhurst University
2012 Analysis of Bone Trauma and Pseudo-Trauma in Violent Deaths, Mercyhurst University

RESEARCH EXPERIENCE

- 2016 Research fellow. Museo de las Momias de Guanajuato and Bioanthropology Research Institute, Quinnipiac University. Prepped mummies for diagnostic imaging, photographed,

and recorded written documentation of the procedure. October 25-30, 2016. Supervisor: Dr. Jerry Conlogue, gerald.conlogue@quinnipiac.edu

- 2014-2015 Laboratory technician. Genomics Core, University of Montana. Prepared master mixes, templates, and primers for sequencing and fragment analysis using 16-capillary electrophoresis, extracted DNA from tissue, and conducted genomic and high sensitivity screentapes. October 2014- May 2015. Supervisor: Tamara Max, (406) 243- 5122, tamara.max@umontana.edu.
- 2012-2014 Research fellow. Bioanthropology Research Institute, Quinnipiac University. Organized and cataloged osteological material. August 2012- July 2014. Supervisor: Dr. Jaime Ullinger, (860) 582- 6428, jaime.ullinger@quinnipiac.edu.
- 2013 Fortune Project. The Mattatuck Museum and Bioanthropology Research Institute, Quinnipiac University. Analyzed radiographs, recorded osteological measurements, and analyzed suspected trauma and pathologies. March- April 2013. Supervisor: Dr. Jaime Ullinger, (860) 582- 6428, jaime.ullinger@quinnipiac.edu.
- 2012-2013 Research associate. Office of the Chief Medical Examiner in Connecticut. Estimated biological profiles of cold cases, organized and catalogued cold cases. September 2012- March 2013. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.

FORENSIC CASEWORK

- 2016 14-16294. Office of the Chief Medical Examiner in Connecticut. Forensic human skeletal remains case, and analysis of hyoid fractures from autopsies. Supervisor: Dr. Kristen Hartnett-McCann, dr.khartnett@gmail.com.
- 2015 FSD-14-007680. Analyzed at the University of Montana for the Montana State Crime Laboratory. Faunal remains case. Supervisor: Dr. Randall Skelton, (406) 243- 4245, randall.skelton@umontana.edu.
- 2013 Forensic excavation. Manchester Police Department, University of Connecticut, Quinnipiac University. Surveyed using ground penetrating radar and dug test pits, and recorded site information. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2013 00-15006. Office of the Chief Medical Examiner in Connecticut. Forensic human remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2013 02-09218. Office of the Chief Medical Examiner in Connecticut. Forensic human skeletal remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2013 01-7319. Office of the Chief Medical Examiner in Connecticut. Forensic human skeletal remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.

- 2013 02-9892. Office of the Chief Medical Examiner in Connecticut. Forensic human skeletal remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2013 03-15853. Office of the Chief Medical Examiner in Connecticut. Historical human skeletal remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2013 92-07994. Office of the Chief Medical Examiner in Connecticut. Forensic human skeletal remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2013 88-4451 (D). Office of the Chief Medical Examiner in Connecticut. Forensic human remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2013 91-07133. Office of the Chief Medical Examiner in Connecticut. Forensic human remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2013 98-12870. Office of the Chief Medical Examiner in Connecticut. Non-human remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2013 94-09391. Office of the Chief Medical Examiner in Connecticut. Forensic human remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2013 96-5319. Office of the Chief Medical Examiner in Connecticut. Forensic human remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2013 90-1736. Office of the Chief Medical Examiner in Connecticut. Forensic human remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2013 92-05899. Office of the Chief Medical Examiner in Connecticut. Forensic human remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2013 87-08330. Office of the Chief Medical Examiner in Connecticut. Forensic human remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2013 87-05751. Office of the Chief Medical Examiner in Connecticut. Forensic human remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2012 88-2221. Office of the Chief Medical Examiner in Connecticut. Forensic human remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.

- 2012 88-2138. Office of the Chief Medical Examiner in Connecticut. Forensic human remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2012 87-4388. Office of the Chief Medical Examiner in Connecticut. Non-human remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.
- 2012 87-9500. Office of the Chief Medical Examiner in Connecticut. Non-human remains case. Supervisor: Dr. Richard Gonzalez, (860) 613- 0499, richard.gonzalez@quinnipiac.edu.

FIELDWORK

- 2013 The Farmington River Archaeological Project. Central Connecticut State University. Surveyed and excavated a prehistoric archaeological site, sketched maps, recorded descriptions of sites and artifacts. June 2013. Supervisor: Dr. Kenneth Feder, (860) 832-2615, feder@ccsu.edu.
- 2012 Archaeological Field School. Archaeology Laboratory for African & African Diaspora Studies, Central Connecticut State University. Identified faunal bone fragments and pottery, cleaned and catalogued artifacts, and researched tax record and other archival evidence. July 2012. Supervisor: Jerry Sawyer, (860) 832- 2813, sawyerj@mail.ccsu.edu.
- 2010 Archaeological Field School. Central Connecticut State University. Surveyed and excavated an African diaspora historical site, photographed, mapped, cleaned, and catalogued artifacts. June 2010. Supervisor: Warren Perry, (860) 832- 2613, perryw@mail.ccsu.edu.

PROFESSIONAL POSTERS

- 2014 Thomas, AE and J Ullinger. Linear enamel hypoplasia frequency and duration in a pathological collection from Ottoman period Tell el-Hesi. 41st Annual Meeting Paleopathology Association.

CONFERENCES ATTENDED

- 2011 American Anthropological Association, Montréal

PROFESSIONAL MEMBERSHIP

- Lifetime Lambda Alpha National Honor Society for Anthropology, Beta of Connecticut since 2011
- Lifetime Golden Key International Honour Society since 2009

PUBLIC OUTREACH

- 2015 Archaeology Day. The Historical Museum at Fort Missoula. Presented techniques and tools used in archaeological excavations to the public in April. Supervisor: Cathy Beecher.
- 2013 Your Future in Anthropology. Central Connecticut State University. Presented personal experiences and internship roles and described their connection to anthropology, and provided insight to undergraduate students on graduate school and job applications in November. Supervisor: Warren Perry, (860) 832- 2613, perryw@mail.ccsu.edu.

INVITED GUEST LECTURES

- 2015 Thomas, AE. University of Montana. Research for ANTY 500: Contemporary Anthropological Thought, which analyzed biocultural ecology and its applicability to anthropological research topics. December 2015. Instructor: Dr. Richard Sattler.

- 2015 Thomas, AE. University of Montana. Research for ANTY 513: Seminar in Bioarchaeology and Skeletal Biology, which focused on the microwear patterns of a pathological population from Tell el-Hesi and synthesizing research into a PowerPoint presentation. May 2015. Instructor: Dr. Meradeth Snow.
- 2015 Thomas, AE. University of Montana. Research for ANTY 413: Forensic and Mortuary Archaeology, which focused on mortuary evidence for human and animal sacrifice in South American, African, and European populations; included library and online resources, collating information, and synthesizing research into a Powerpoint presentation. April 2015. Instructor: Kirsten Green.
- 2014 Thomas, AE. University of Montana. Research for ANTY 515: Theories and Methods in Biological Anthropology, which focused on craniometric analysis of African population diversity by examining the relatedness of African male populations, Portuguese male populations, anatomically modern humans, and *Homo heidelbergensis* using principal component analysis, canonical variance, and neighbor joining analysis. Fall 2014. Instructor: Dr. Randall Skelton.
- 2014 Thomas, AE. University of Montana. Research for ANTY 510: Seminar in Human Variation and Evolution, which focused on the genetic and historical evidence for the founding population of Iceland. Fall 2014. Instructor: Dr. Meradeth Snow.

WORK EXPERIENCE

- 2016-Present Claims Solutions and Analytics, The Hartford. Managed the retrieval and transportation of claim documents for subpoenas, background checks, invoices, and other file requests. Maintained and updated job processes, and trained new employees on current processes. January 2016- Present. Supervisor: Nancy McMahon, (860) 624- 8654, nancy2.mcmahon@thehartford.com.
- 2014-2015 Student Affairs IT, University of Montana. Provided software and hardware support for Windows and Mac operating systems, printers, tablets, and IGELs to campus departments. Managed user profiles via ADUC. Updated website information using Cascade and developed new methods to improve website usage and customer satisfaction. August 2014-May 2015. Supervisor: Jesse Neidigh, (406) 243- 2108, jesse.neidigh@mso.umt.edu.
- 2013-2014 Security Operations Center, United Technologies Corporation, Kelly Services. Monitored security log events from multiple platforms including servers, firewalls, and various applications, and identified anomalies and potentially malicious content in data streams. Investigated, analyzed, and contained viruses and malware incidents. March 2013-July 2014. Supervisor: Erin Lien.

INTERNSHIPS

- 2011 Bureau of Enterprise Systems and Technology, Department of Administration, State of Connecticut. Researched and composed reports of Connecticut's criminal justice system for the implementation of the Connecticut Information Sharing System and the Application Programming Interface project, Constructed and edited models of work flows with Microsoft Visio. September – December 2011. Supervisor: Nance McCauley, (860) 622-2265, nance.mccauley@ct.gov. Unpaid.

- 2011 Central District Major Crimes Squad, Connecticut State Police. Arranged and edited photographic reports, case files, warrants, and lead sheets for court, attended briefings related to a suspect homicide investigation, conducted fingerprint analysis, and tracked child pornography offenders via hash and AIM. May-September 2011. Supervisor: Sgt. James Thomas, (203) 630-5650, james.p.thomas@ct.gov. Unpaid.
- 2011 Institute for Community Research. Analyzed data using Excel and SPSS, evaluated and designed research questionnaires, transcribed interview data, presented written reports to the team, researched evidence-based programs related to product stewardship. May-September 2011. Supervisor: Marlene Berg. Paid.

VOLUNTEER EXPERIENCE

- 2013-Present Cromwell Historical Society. Participating in live history events and parades, and assisting with decorations for the Ball of the Rebellion and May Day. March 2013-Present. Supervisor: Richard Donohue.
- 2003-2014 River's Edge Stables. Assisted with daily care of domesticated horses, taught riding techniques to young children and teenagers, and provided consistent medical care to sick and injured horses. April 2003- July 2014. Supervisor: Jody Magnano, (860) 635-7003.

CERTIFICATIONS

- 2016 Notary Public for Connecticut
- 2012 PADI Open Water Diver, Enfield Scuba and Watersports

SOFTWARE SKILLS

Adobe Photoshop Cs5, FORDISC, Pivot tables, Microsoft Office suite, PAST, RMET, Sequencher 5.4, FinchTV, NextEngine, and SPSS.

ADDITIONAL SKILLS

Archaeological and forensic photography, excavation of human remains, New England and Western United States artifact analysis, faunal and human osteology, PCR, gel electrophoresis, skeletal trauma and pathology, historical human remains analysis, GPS, hand & compass mapping.