

# DANIELLE C. BUFFA

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## EDUCATION

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**Pennsylvania State University;** University Park, PA, US.....TBA

Ph.D in Anthropology and Climate Science

- Distinguished Graduate Fellowship
- Dissertation on regime shifts, resilience, and paleoecology in southwest Madagascar

**University of Sheffield;** Sheffield, UK.....January 2017

MSc in Osteoarchaeology, Successful Completion with Merit (3.7/4.0 GPA equivalent)

- Distinction dissertation titled *Little Carlton: Faunal analysis of a Mid-Saxon marsh in East Lincolnshire*

**University of Maryland;** College Park, MD, US.....May 2015

BA in Anthropology, Minor in Geographic Information Systems, 3.6/4.0 GPA

- College Park Scholars, Arts Program (citation received Spring 2014)

## RESEARCH INTERESTS

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Human-environment interactions, socioecological regime shifts, island and coastal archaeology, estuarine and marine resource use, Mid-late Holocene climate, paleoecology, ecotones, conservation policy, ethnoarchaeology, zooarchaeology, geoarchaeology, GIS

## PUBLICATIONS

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### Peer-Reviewed Articles

Davis, D.S., **Buffa, D.C.**, Wroblewski, A.C., 2020. Assessing the Utility of Open-Access Bathymetric Data for Shipwreck Detection in the United States. *Heritage* 3, 364–383.  
<https://doi.org/10.3390/heritage3020022>

### Book Reviews

**Buffa, D.**, 2020. The Archaeology of Human–Environmental Dynamics on the North American Atlantic Coast. *The Journal of Island and Coastal Archaeology* 15, 455–456.  
<https://doi.org/10.1080/15564894.2020.1774447>

### Manuscripts in Progress

**Buffa, D.**, Douglass, K., Under contract. 'Shell Beads', in Crossland, Z., Radimilahy, C., Douglass, K. *The Malagasy World*. Routledge Worlds Series.

Davis, D., **Buffa, D.**, Rasolondrainy, T., Creswell, E., Anyanwu, C., Ibirogba, A., Randolph, C., Ouarghidi, A., Phelps, L.N., Lahiniriko, F., Chrisostome, Z.M., Manahira, G, Douglass, K. In press. The aerial panopticon and the ethics of archaeological remote sensing in sacred cultural spaces. *Archaeological Prospection*. <https://doi.org/10.1002/arp.1819>.

## GRANTS/FELLOWSHIPS

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Total – \$12,178.89

2020 – Hill Fellowship Pre-Comprehensive Examination Award - \$1220 - Bozike Lahiny/Bozike Vavy: Women's Traditional Ecological Knowledge and Shellfishing in Southwestern Madagascar

2020 – African Feminist Initiative Research and Travel Award - \$2500 - Boziky Lahiny/Boziky Vavy: Women's Knowledge, Conservation Policy, and Shellfishing in Southwestern Madagascar

- 2020 – Ceramic Studies Endowment in Anthropology - \$5358.89 – A Window into Ancient African Crafts: an ethnoarchaeological study of ceramics from Zanzibar
- 2019 – Hill Fellowship Training Award - \$1500 – First Digitized Skeletal Collection of Malagasy Fauna
- 2019 – RGSO Conference Travel Award - \$600 – Madagascar Workshop at University of Toronto
- 2019 – Africana Research Center Research Grant - \$1000 – Material Characterization of Archaeological Shell Beads from Madagascar

## PRESENTATIONS

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- 2018 – Madagascar Workshop – Newark, NJ – Building Madagascar’s First Marine Fauna Comparative Skeleton Collection - Podium
- 2019 – Madagascar Workshop – Toronto, ON – Biby in 3D: First Digitized Reference Collection of Malagasy Fauna - Podium
- 2020 – Society for Africanist Archaeologists – Oxford, England – Adorning Localities: An Investigation of Shell Beads in Holocene Southwest Madagascar – Poster – *Delayed by Covid*

## TEACHING EXPERIENCE

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- 2019 – Fall - ANTH 2N – World Archaeology – 20hrs/week  
Teaching Assistant of 90 students. Ran 3 discussion/hands-on lab sections  
– Pedagogy Workshop - Participant
- 2020 – Spring – ANTH 9 – Rise of Old World Civilization – 20hrs/week  
Teaching Assistant of 90 students writing tests and leading bimonthly lectures
- Fall – ANTH 9 – Rise of Old World Civilization – 20hrs/week  
Teaching Assistant of 90 students writing tests and leading bimonthly lectures
- 2021 – Spring – ANTH 2 – World Archaeology – 20hrs/week  
Teaching Assistant of 90 students. Ran 3 discussion/hands-on lab sections

## EMPLOYMENT HISTORY

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### Outreach Coordinator; GIS Consultant

Nov 2017 to Aug 2018      **Appalachian Forest Heritage Area (AmeriCorps);** Elkins, WV, US

- Design and implement public education and interpretation products for AFHA tourism sites
- Develop thematic tours using ESRI Story Maps
- Network with current and potential AFHA sites to improve outreach, visitor engagement, and conservation.

### Zooarchaeologist

Summer 2016      **Little Carlton Archaeological Project;** Little Carlton, UK

- Excavated and mapped material culture.
- Interpreted and wrote site report for faunal remains.
- Collected fenland soils for XRF analysis of leached metals from archaeological sites.

### Digital Archivist

March 2016 to Sept 2016      **University of Sheffield;** Sheffield, UK

- Designed web-based photographic archive of and assisted curation of zooarchaeology lab reference collection.

### Contract Archaeologist

Feb 2014 to May 2014      **Smithsonian National Museum of Natural History;** Washington, D.C., US

- Analyzed and cataloged shell collections in the Chesapeake Bay Archaeobiology Lab under Dr. Torben Rick.
- Wrote database for past and continued oyster shell investigations.

### Archaeological Technician

Summer 2018 **Morombe Archaeological Project**; Andavadoaka, MDG  
Oct 2017 to Nov 2017 **North Atlantic Archaeological Collaborative**; Sandwich, MA, US  
Summer 2014 **Alberese Archaeological Project**; Alberese, GR, IT  
Summer 2013 **Blue Ridge Tunnel Shanty Site**; Afton, VA, US  
Summer 2012, 2011 **Mary B. Wakefield Charitable Trust**; Milton, MA, US

- Excavated, mapped, and interpreted material culture.

### Museum Interpreter

March 2017 to Oct 2017 **Heritage Museum and Gardens**; Sandwich, MA, US

- Facilitated visitor engagement with collections, led self-designed tours through grounds.

### Research Assistant

Oct 2016 to March 2017 **University of Connecticut Zooarchaeology Lab**; Storrs, CT, US  
Dec 2013 to May 2015 **North Atlantic Biocultural Org. Zooarchaeology Lab**; College Park, MD, US  
Sep 2012 to May 2013 **Archaeology in Annapolis Lab**; College Park, MD, US

- Analyzed, cataloged, and maintained archives of material culture using ARCGIS and Microsoft Excel.

### Curatorial Intern

May 2011 to Sep 2011 **Fairbanks House Museum**; Dedham, MA, US

- Archived artifacts, lead tours, and organized finances using museum management software, PastPerfect.

## PROFESSIONAL MEMBERSHIPS

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Society for Africanist Archaeologists  
American Association for the Advancement of Science

## SKILLS

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GIS (ArcGIS, QGIS)  
Geospatial and Remote Sensing Analysis (ie. ENVI)  
Statistical Coding (Python, R)  
SQL Coding  
Database Management  
Data Analysis  
Historical Interpretation  
Fluency in English and Italian

## SERVICE ACTIVITIES

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- Pennsylvania State University
  - Department of Anthropology
    - Social Media Committee (2020 - Present)
    - Awards Committee (2019 - Present)
  - Olo Be Taloha Lab – Social Media Manager (2019 - Present)
  - American Society for Ethnohistory – Conference Volunteer (2019)
  - Science Policy Society – Co-coordinator of LGBTQinSTEM (2019), Co-coordinator of Science Brew (2019), Member (2018 - Present)
  - Anthropology Graduate Student Association – Member (2018 - Present), Vice President (2019 - Present)

- Graduate Welfare Committee – Member (2018 - Present), Incoming Graduate Student Mentor (2019 - Present)
  - Outreach Committee – Easterly Parkway Science Fair (Booth Teacher 2019), Community Education Extended Learning – State College Schools (Anthropology Teacher 2019), Girls Love STEAM program for Bellefonte middle and high school girls (Archaeology Virtual Session Teacher 2021)
- University of Sheffield
    - Graduate Teaching Committee - Archaeology Representative (2015 – 2016)
    - Archaeology Faculty Committee - Osteoarchaeology Representative (2015 – 2016)
    - Archaeology Department - Open Day Postgraduate Ambassador (2015 – 2016)