

CLARE RANDOLPH

Department of Earth and Environmental Science
Columbia University, New York, NY
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EDUCATION:

- 2026 (expected) **PhD** (*in progress*), Columbia University, Department of Earth and Environmental Sciences
2023 **MA**, Columbia University, Department of Earth and Environmental Sciences
2022 **MA**, Pennsylvania State University, Department of Anthropology
2013 – 2016 **BA**, Rice University, Department of BioSciences

ACADEMIC APPOINTMENTS:

- 2023 – present Graduate Teaching Assistant, Department of Earth and Environmental Sciences, Columbia University
2022 – present Graduate Research Assistant, Olo Be Taloha Lab, Columbia University
2021 – 2022 Graduate Teaching Assistant, Department of Anthropology, Penn State University
2021 – 2022 Graduate Research Assistant, Human Paleoecology and Isotope Geochemistry Lab, Penn State University
2020 – 2022 Graduate Research Assistant, Olo Be Taloha Lab, Penn State University
2018 – 2020 Research Assistant, Bear Bones Lab, Department of Anthropology, UC Berkeley

RESEARCH INTERESTS:

Human-environment interaction, Western Indian Ocean, historical ecology, coastal and island archaeology, coral reefs, fisheries, the Anthropocene, marine biodiversity, Swahili cultures

PUBLICATIONS:

- 2022 **Randolph, C.**, Davis, D., Anyanwu, C., Pham, K., Buffa, D., Creswell, E., Ibirogba, A., Douglass, K. (2022, January 3) Indigenous Knowledge is Key to a Sustainable Future. *Penn State Institutes of Energy and the Environment Blog*.
<https://iee.psu.edu/news/blog/indigenous-knowledge-key-sustainable-future>
- 2021 Davis, D. S., 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. (2021). The aerial panopticon and the ethics of archaeological remote sensing sacred cultural spaces. *Archaeological Prospection*.
<https://doi.org/10.1002/ARP.1819>

FUNDING AND RECOGNITION:

Pennsylvania State University

- 2022 Sustainability-Focused Engagement Award (SEAS), Liberal Arts Sustainability Council
Amount: \$1000
2022 Hill Fellowship Graduate Training Award, Liberal Arts Department
Amount: \$2000
2021 Graduate Scholar Award, Anthropology Department
Amount: \$2000
2020 Graduate Scholar Award, Anthropology Department
Amount: \$2000
2020 Graduate Startup Award, Anthropology Department
Amount: \$4000

NON-MONETARY AWARDS AND RECOGNITION:

2020 Distinction in Candidacy Exam, Graduate School of Arts and Science, Pennsylvania State University

ACADEMIC SERVICE:

2021 – 2022 Board Member, Anthropology Graduate Student Association, Penn State University
2020 – 2022 Member, ARISE committee, Penn State Anthropology
2015 – 2016 Co-president, Rice University Queer Resource Center
2014 – 2016 Founding member, Rice University Queer Resource Center

CONFERENCE PAPERS AND POSTERS:

Randolph, C., Bini Ahmed, K., Kusimba, C., & Douglass, K.

2023 “Oral Histories Reveal Information about Historical Coral Harvesting in the Lamu Archipelago, Kenya”, 26th Biennial Meeting of the Society of Africanist Archaeologists at Rice University, Houston, Texas

Randolph, C., Kusimba, C., Douglass, K.

2022 “The extent and potential impacts of Swahili coral harvesting at Gede, Kenya”, Indian Ocean World Archaeology Biennial Conference, Institute for Arab and Islamic Studies, University of Exeter, UK

Randolph, C., Davis, D.S., Buffa, D., & Douglass, K.

2022 “Collaborative Archaeology in Southwest Madagascar: Implications for Conservation using Direct Stakeholder Involvement”, PAGES-supported workshop "Synergy between palaeo-scientists and stakeholders for biodiversity conservation in Madagascar and its surrounding islands", online and in Ranomafana, Madagascar, 2022

Randolph, C.

2020 “Was Porites coral scarce after Kilwa Kisiwani was built? Observations from 15th-century CE Songo Mnara”, poster accepted for the 25th Biennial Meeting of the Society of Africanist Archaeologists, Oxford, UK, 2020 (*accepted but never presented due to conference changes related to COVID-19*)

Randolph, C., Howe Kerr, L., Jones, E.

2015 “Effect of Predation Risk and Flower Shape on Bumblebee Pollination”, poster presented at the 2015 meeting of the Rice Undergraduate Research Symposium

FIELD AND RESEARCH EXPERIENCE:

2022 **Principal Investigator**, *Use of Live-harvested coral in Swahili Historical Sites of coastal Kenya*, Kilifi and Lamu Counties, Kenya

2021 – 2022 **Graduate Researcher**, Isotope and Paleoclimatology Lab, Pennsylvania State University

2020 – 2022 **Graduate Researcher**, Olo be Taloha African Environmental Archaeology Lab, Pennsylvania State University
Principal Investigator: Dr. Kristina Douglass

2018 **Surveyor**, Roseville Open Space Preservation, California, USA
Principal Investigator: Vollmar Natural Lands Consulting Inc.

- 2017 **Surveyor and Data Analyst**, *California Tiger Salamander Habitat Restoration Project*, California, USA
Principal Investigator: Vollmar Natural Lands Consulting Inc.
- 2016 **Student**, *Rice University Archaeological Field School*, Songo Mnara, Tanzania
Directors: Dr. Stephanie Wynne-Jones, University of York, UK and Dr. Jeffrey Fleisher, Rice University
- 2016 **Student**, *Rice University Tropical Field Biology*, Belize. Directors: Dr. Scott Solomon and Dr. Adrienne Correa, Rice University
- 2015 **Co-Principal Investigator**, *Effect of Predation Risk and Flower Shape on Bumblebee Pollination*
Co-PI's: Lauren Howe-Kerr and Dr. Emily Jones, Department of BioSciences, Rice University

TEACHING:

- 2023 (fall) Teaching Assistant, Earth's Environmental Systems: The Climate System, Columbia University, New York City, NY
- 2022 (summer) Co-Instructor, GIS Hands-on training module, ARISE, Penn State University, University Park, PA (course developed by Dr. Dylan Davis using materials from ESRI ArcGIS Online)
- 2022 (spring) Teaching Assistant, Anthropology of Indigenous North America, Department of Anthropology, Penn State University, University Park, PA
- 2021 (fall) Teaching Assistant, Introduction to North American Archaeology, Department of Anthropology, Penn State University, University Park, PA
- 2018 – 2020 Science Educator and Curriculum Evaluator, Sarah's Science, Castro Valley, CA
- 2016 – 2017 Teaching Assistant, Animal Physiology, Department of BioSciences, Rice University, Houston, TX
- 2014 Teaching Assistant, Intro to Biochemistry Lab, Department of BioSciences, Rice University, Houston, TX

PUBLIC OUTREACH AND MENTORSHIP ACTIVITIES:

- Summer 2022 Mentor to six undergraduate research assistants from multiple universities in Kenya during their Attachment at the National Museum of Kenya, Gede National Monument, Kilifi County, Kenya
- Spring 2022 Presenter, EnvironMentors (Penn State University Chapter), University Park, PA
- Spring 2022 Mentor to Brenna Fennessey (undergraduate research assistant), Penn State University, University Park, PA

Spring 2021 Volunteer, GaLS: Women in Science exchange at Bellefonte Middle school,
Discovery Space Museum, State College, PA

2018-2020 Docent, California Academy of Sciences, San Francisco, CA

ADDITIONAL TRAINING:

2020 Advanced Open Water SCUBA, NITROX diving, and Rescue SCUBA (certification numbers: 475R532, A3E8A72, B7C294E)
Instructor: Idonya Pinckney, National Association of Underwater Instructors (NAUI Worldwide)

2020 Wilderness First Aid
Instructor: Don Lester, Sierra Rescue

2018 Public Demonstrations and Engagement Techniques in Science Education
The California Academy of Sciences

2018 GIS Data Formats, Design, and Quality
Instructor: Nick Santos, UC Davis

2018 Open Water SCUBA (certification number: C2061151)
Instructor: Austin Steele, National Association of Underwater Instructors (NAUI Worldwide)

2017 – 2018 Identification and Handling of Endangered Vernal Pool Branchiopods,
Permit administered by: US Fish and Wildlife Service, Sacramento, CA

LANGUAGES:

- English: Native speaker
- German: Proficient speaking, reading, and writing
- Swahili: Conversational