

VITAE OF NICHOLAS PETER TRIOZZI

JUNE 2025

CURRENT POSITION

2025 – present **Early Postdoctoral Research Associate**
Universität Bern
Institut für Archäologische Wissenschaften, Prähistorische Archäologie
(Institute for Archaeological Sciences, Prehistoric Archaeology)
Oeschger Centre for Climate Change Research

EDUCATION

2024 **Ph.D., Anthropology**
University of California Santa Barbara, Department of Anthropology

2019 **M.A., Anthropology**
The Pennsylvania State University, Department of Anthropology

2017 **Advanced Graduate Certificate Geographic Information Science**
City University of New York - Hunter College, Department of Geography

2014 **M.A., Anthropology, with distinction**
Monmouth University, Department of Anthropology

2011 **B.S., Evolutionary Anthropology**
Rutgers University, Department of Anthropology

ACADEMIC APPOINTMENTS

2021-2022 GIS Consultant/Research Assistant
Center for Restorative Environmental Work
Global Studies Dept., UCSB
Designed a series of StoryMaps using ArcGIS Online web application development platform; Created narrative and visual content focused on decommissioning of gas and oil infrastructure in California and the challenges of achieving environmental justice in Chile.

2020 Research Assistant
Mediterranean Prehistory and Paleoecology Laboratory
Dept. of Anthropology, UCSB
Assisted with data collection and visualizations for Dalmatian Neolithic research. Created maps and models for paleoecology datasets; produced figures for publications; stable isotope analysis.

2020 Database Architect
California Archaeological Repository
Dept. of Anthropology, UCSB
Developed a relational database to store information associated with archaeological materials curated by the Repository; Designed customized applications for data access and entry.

- 2019 Technician / Research Assistant
Primate Functional Morphology Lab
 Dept. of Anthropology, Penn State University
Analysis of CT scans of human hand bones recovered from Late Archaic period sites in Lowland Belize. Data processing was performed using Avizo software; 3D morphometric analyses completed using scripting procedures executed in R.
- 2018 Technician / Research Assistant
Human Paleoecology and Isotope Geochemistry Lab
 Dept. of Anthropology, Penn State University
Analysis of CT scans of shell beads from the Northern Channel Islands, CA. Processing tasks involved 3D manipulation of images and statistical analysis of data (Principal Components Analysis and Multivariate Statistical Analysis)
- 2018 Research Assistant
GeoSyntheSES Lab
 Dept. of Geography, Penn State University
Integrated human survey data and geospatial data to calculate distance between residences and family-owned cultivation plots in Huanuco, Peru. Developed scripts to generate a network analysis of various transportation options based on least cost paths in rugged terrain of the Central Andes Mountains.
- 2018 GIS Consultant
Mesoamerican Economy and Archaeology Lab
 Dept. of Anthropology, Penn State University
Digitization of paper maps of standing architecture associated with the Teotihuacan archaeological site. Work involved extensive georeferencing and feature creation towards the production of geodatabase using ArcGIS.
- 2017-2018 Consultant / Research Assistant
Computational Anthropology Research Lab
 Dept. of Anthropology, Penn State University
Reimagined and redesigned graduate student computer laboratory to better accommodate research needs; Customized machine hardware and software purchasing and installation; provided technical support to graduate researchers and department faculty.
- 2017 Research Assistant
Matson Museum of Anthropology
 Dept. of Anthropology, Penn State University
Develop and manage relational database to store accession records of a vast collection of archaeological and ethnographic materials. Organized and cataloged hominin cast teaching collections, mentored volunteer undergraduates in inventory and 3D scanning techniques.

LABORATORY EXPERIENCE

2021-22	Stable Isotope Paleoecology Laboratory, Dept. of Anthropology, UC Santa Barbara (<i>Tooth enamel and bone collagen sample preparation for stable isotope analysis and AMS dating</i>)
2018-19	Human Paleoecology and Isotope Geochemistry Lab. Dept. of Anthropology, The Pennsylvania State University
2018-19	Center for Quantitative Imaging, Dept. of Anthropology, The Pennsylvania State University
2017	Matson Museum of Anthropology, Dept. of Anthropology, The Pennsylvania State University
2011-2017	Nels Nelson North American Archaeology Lab, American Museum of Natural History, New York City, NY
2012	Presidio Archaeology Lab, The Presidio Trust of San Francisco, CA
2011	Sedimentology Lab Assistant, Rutgers University, New Brunswick, NJ

PROFESSIONAL WORK

2013-2017	GIS and Photography Specialist, Nels Nelson North American Archaeology Lab, American Museum of Natural History, New York City, NY <i>Directed collection and curation of all geospatial and photographic data pertaining to archaeological research on St. Catherines Island, Georgia (USA); mentored undergraduate interns; generated 3D models of artifacts and in situ archaeological features; developed innovative data management solutions; created visual content for publications; presented research at professional conferences.</i>
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TEACHING EXPERIENCE

2020-21	Teaching Assistant, Introduction to Archaeology (ANTH 3); Dept. of Anthropology, UCSB
2020	Teaching Assistant, Introductory Biosocial Anthropology (ANTH 7); Dept. of Anthropology, UCSB
2020	Teaching Assistant, Introductory Biological Anthropology (ANTH 5); Dept. of Anthropology, UCSB
2019	Teaching Assistant, Human Growth and Development (ANTH 161); Dept. of Anthropology, UCSB
2018	Teaching Assistant, World Archaeology; Dept. of Anthropology, Penn State University
2018	Teaching Assistant, Forensic Anthropology; Dept. of Anthropology, Penn State University
2018	Teaching Assistant, First Farmers; Dept. of Anthropology, Penn State University

GRANTS, FELLOWSHIPS, AND AWARDS

Grants

2021-24	National Science Foundation Doctoral Dissertation Improvement Grant; \$31,000
2021	Archaeological Specialty Dating Grant, Register of Professional Archaeologists; \$1,000
2021	Leal Anne Kerry Mertes Grant, UC Santa Barbara Dept. of Geography; \$2,500
2021	Archaeological Institute of America, Orange County Society; \$2,000
2018	Lewis and Clark Fund for Exploration and Field Research, American Philosophical Society; \$5,000
2018	Hill Fellowship Training Award, Penn State Anthropology; \$1,500
2018	Center for Landscape Dynamics Graduate Research Award, Penn State Earth and Mineral Sciences/Anthropology; \$1,500

Fellowships

2021-22	Fulbright Student Research Fellowship, Zadar, Croatia, \$30,000
2018-19	NASA Pennsylvania Space Grant Consortium Graduate Fellow, \$5,000
2017-18	Matson Fellow, AIA membership award
2016	Social Media Fellowship, Spatial Ecology; €200
2015-16	Fredrick M. Warburg Scholarship, American Museum of Natural History; \$1200
2011	New Brunswick Winter Session Scholarship, Rutgers University Financial Aid Office; \$500.

Awards

2018	Matson-Benson Award, Matson Museum of Anthropology, Penn State; \$1,025
2017-18	Graduate Assistantship, Department of Anthropology, The Pennsylvania State University; \$19,035
2016	Honorarium, REU Site: Immersive Research in the Bioarchaeology of Greek Colonization, for talk presented to REU students; \$150
2015	Conference Travel Award, Graduate Student Association, Hunter College; \$800
2010-11	Henry Rutgers Scholar Award, for outstanding School of Arts and Sciences Interdisciplinary Honors research achievement; \$1300
2011	2 nd Annual Anthropology Research Symposium Award, Rutgers University Anthropology Dept., sup. voted best honors research project by faculty; \$200.
2010	Bigel Endowment Award for Undergraduate Research in Anthropology, Rutgers University Anthropology Dept.; \$335.45.

2010-11	Jerome and Lorraine Aresty Research Scholarship, Aresty Research Grants and Conference Funding for undergraduate honors research, “Energetics of Pounding, Foraging, and Chewing in Modern Homo sapiens”; \$1000.
2010	Rutgers University SAS Dean’s List
2009	Rutgers University SAS Dean’s List
2008	Rutgers University SAS Dean’s List

PUBLICATIONS

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- Forthcoming* Triozzi, N. and McClure, S.B. To Cull or Not to Cull? Using Population Projection Modeling to Reveal Risk-Sensitive Herd Culling Strategies. *Journal of Computational Applications in Archaeology*.
- Forthcoming* McClure, S. B., Podrug, E., Ebert, C., Buckley, G., Jović, J., Moore, A., **Triozzi, N.**, Welker, M. H., Zavodny, E., Freeman, K. and Kennett, D. J., Intensified dairying and transhumance in the Adriatic documented at 7200 cal. BP by oxygen isotopes in sheep and goat teeth. *Sci. Adv.*
- 2025 Horvat Oštrić, K., McClure, S. B., Vidas, D., **Triozzi, N.**, and Reed, K. Rezultati Probnog Arheološkog Istraživanja Neolitičkog Nalazišta Pod Jarugom. *Archeol. Adriatica*. 18. DOI: 10.15291/archeo.4688
- 2024 Horvat Oštrić, K. and **Triozzi, N.**, Probna istraživanja neolitičkog nalazišta u Islamu Grčkom. *In Situ* 1: 46–51.
- 2024 Horvat Oštrić, K. and **Triozzi, N.**, Neolitičko nalazište Pod Jarugom. *In Situ* 1: 72–76.
- 2023 Partridge, T., Barandiaran, J., **Triozzi, N.** and Toni Valtierra, V. Decommissioning: another critical challenge for energy transitions. *Glob. Soc. Challenges J.* **2**: 188–202.
- 2022 McClure, S. B., Podrug, E., Jović, J., Monroe, S., Radde, H. D., **Triozzi, N.**, Welker, M. H. and Zavodny, E., The Zooarchaeology of Neolithic farmers: Herding and hunting on the Dalmatian coast of Croatia. *Quat. Int.* 634: 27–37.
- 2022 Welker, M.H., Zavodny, E., McClure, S.B., Podrug, E., Jovic, J., **Triozzi, N.**, Kennett, D., A Wolf in Sheep’s Clothing: The Development of Livestock Guarding Dogs in the Adriatic Region of Croatia., *Journal of Archaeological Science: Reports*
- 2018 MacEachren, A. M., Caneba, R., Chen, H., Cole, H., Domanico, E., **Triozzi, N.**, Xu, F. and Yang, L., Is This Statement About A Place? Comparing two perspectives. *GIScience* 1–6.

PROFESSIONAL PRESENTATIONS

- 2025 Assessing risk-sensitive herd culling strategies in Neolithic Northern Dalmatia, a demographic modeling approach. 2nd International Conference on the Emergence of the Neolithic in Europe. Zadar, Croatia. 22-25 May, 2025.
- 2024 Tooth Enamel $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ Reveal Diverse Ovicaprid Husbandry Strategies during the Neolithic on the Dalmatian Coast, Croatia. European Association of Archaeologists 30th Annual Meeting, Rome, Italy, 28 – 31 August.
- 2022 Herding is Risky Business: Investigating agropastoral resource management in Northern Dalmatia 8-6 kya. Research and methods overview presented to University of Zadar students Monday 6 August.
- 2018 A model for identifying corridors of ecological niche construction from transhumance in Northern Dalmatia. Paper given, European Association of Archaeologists 24th Annual Meeting, Barcelona, Spain 5-8 September. Co-authors: Sarah B. McClure, Emil Podrug
- 2018 Competing with the Crown: Early Spanish Mission Settlement Decisions in a Human Behavioral Ecology Model, Paper given, Society for American Archaeology 83rd Annual Meeting,, Washington DC, 12 April
- 2017 GIS and Mapping Techniques in Archaeology, Talk for undergrads, University of Alabama Archaeological Field School, St. Catherines Island, GA, May
- 2017 Causes and consequences of pre- and proto-historic social network connectedness in coastal Georgia. Poster presentation, Society for American Archaeology 82nd Annual Meeting, Vancouver, BC, CAN. 29 March – 2 April; Co-authors: Anna M. Semon and Thomas O. Blaber
- 2017 From the East Coast to the Great Basin, Using RTI to highlight subtle artistic features Lightning talk, Illumination of Material Culture: Computational Photography and Reflectance Transformation Imaging (RTI), The Metropolitan Museum of Art, New York City, NY; March. Co-author: David Hurst Thomas.
- 2016 Reconstructing stratigraphy at Cannatello: GIS, Photogrammetry, and 3D Modeling Techniques Talk for CUNY Hunter Central Mediterranean Archaeology Program, San Leone, Sicily, IT, July.
- 2016 Mapping the Fallen Tree Mortuary Complex: GIS, Photogrammetry, and 3D Modeling Techniques Talk for REU students, REU Site: Immersive Research in the Bioarchaeology of Greek Colonization, Campofelice de Roccella, Sicily, IT, June.
- 2015 Buried at Morning Light: A GIS analysis of skeleton orientations at the Fallen Tree Mortuary Complex, St. Catherines Island, GA Poster, Southeastern Archaeology Conference, Nashville, TN, November.
- 2015 More than a Rusty Nail: Archaeometric Analysis of Wrought Iron Nails from Fallen Tree, St. Catherines Island, GA Talk, Society of American Archaeology 80th Annual Meeting, San Francisco, CA, April. Co-authors: Henry Towbin and Glen Keeton.

- 2014 A Vessel to the Next World: Examining an Urn Burial from St. Catherines Island, GA and others on the Georgia Coast Talk, Southeastern Archaeology Conference, Greenville, SC, November. Co-author: Anna M. Semon.
- 2013 Butchery tool choice at Mission Santa Catalina de Guale, St. Catherines Island, Georgia Talk, Southeastern Archaeology Conference, Tampa, FL, November.
- 2011 Energetics of Pounding, Foraging, and Chewing in Modern Homo sapiens Undergraduate Honors Thesis, Rutgers University, May 2011

ARCHAEOLOGICAL FIELDWORK

Domestic (United States)

- 2018 Katmai National Park, AK. *"Following in the footsteps of the National Geographic Society's original Katmai expeditions,"* National Geographic Society
- 2017 Creighton Island, GA. *University of Alabama*
- 2011-2017 St. Catherines Island, GA, *St. Catherines Archaeological Project, American Museum of Natural History, NY*
- 2013 Delaware Water Gap Recreation Area, NJ, PA. *E2 Project Management, LLC, Rockaway, NJ*
- 2012 Presidio of San Francisco, CA. *Presidio Trust*

Abroad (Outside U.S.)

- 2021-2022 Zadar County, Croatia, Islam Grčki and Lisičić
- 2018 Donje Polje, Šibenik County, Croatia
- 2018 Bekes 103, Vésztő, Hungary. *Bronze Age Körös Off-Tell Archaeology (BAKOTA)*
- 2016 Cannatello, Sicily, IT. *Sapienza Università di Roma and Hunter College, CUNY*
- 2013 Fort Charles, St. Kitts and Nevis. *Nevis Archaeological Field School, Monmouth University, NJ*
- 2010 Koobi Fora, Lake Turkana, Kenya. *Field School in Paleoanthropology, Rutgers University Study Abroad*

SYNERGISTIC ACTIVITIES

Committees

- 2019-21 Treasurer, Anthropology Graduate Student Association, UCSB
- 2019-21 Fundraising Committee Chair, Anthropology Graduate Student Association, UCSB
- 2018-19 Treasurer, Anthropology Graduate Student Association, Penn State
- 2018-19 Penn State Anthropology Colloquium Committee Member
- 2018 Pete Triozzi Memorial Scholarship Fund, Inc., Trustee and co-founder
- 2009-11 President, Rutgers Undergraduate Anthropology Club

Outreach

2020	AGSA's First Annual Chili Cook-Off (organizer of fundraising event to support UCSB Anthropology graduate student conference participation; raised >\$1k)
2018	Primate Perspectives: A Crash Course on Our Closest Living Relatives; i-STEAM workshop for K-8 teachers
2018	Haunted-U; science activities for K-12
2018	Envision: STEM Career Day for Girls
2018	TEDxPSU Volunteer

TRAINING

2022	Fourier Transform Infrared Spectroscopy, <i>Materials Research Laboratory, UC Santa Barbara</i>
2022	Laboratory Safety, <i>Environmental Health and Safety, UC Santa Barbara</i>
2019	Geospatial Applications of Unmanned Aerial Systems (UAS). <i>World Campus, Penn State University, State College, PA</i>
2018	Chemical Safety. <i>Environmental Health and Safety, Penn State University</i>
2018	Emergency Preparedness. <i>Environmental Health and Safety, Penn State University</i>
2018	Introduction to Laboratory. <i>Environmental Health and Safety, Penn State University</i>
2018	Laboratory Waste Disposal and Management. <i>Environmental Health and Safety, Penn State University</i>
2018	Computational modelling, network science, semantic technology. <i>Summer School in Digital Archaeology, Universitat de Barcelona, ES</i>
2018	Backcountry Operations, <i>Katmai National Park, King Salmon, AK</i>
2018	Wildlife Firearms and Safety, <i>Katmai National Park, King Salmon, AK</i>
2018	CPR and First Aid, <i>Katmai National Park, King Salmon, AK</i>
2018	Swiftwater crossing and rescue, <i>Katmai National Park, King Salmon, AK</i>
2018	Aviation Safety (A-100, A-312), <i>Katmai National Park, King Salmon, AK</i>
2018	Advanced Cyber Infrastructure Seminar Series, Penn State High-Performance Computing, <i>Institute for Cyber Science, State College, PA</i>
2016	Spatio-temporal data Analysis using Free and Open Source Software. <i>Spatial Ecology, Università Basilicata, Matera, IT</i>
2016	Hands-on Open Source Drone Mapping and High-Performance Computing for Big Geo-Data. <i>Spatial Ecology, Università Basilicata, Matera, IT</i>

AFFILIATIONS

2014-21 Register of Professional Archaeologists: **28578352**
2018-21 Federal Aviation Administration Part 107 – sUAS Remote Pilot Number:
4279174

Current Professional and Academic Memberships

2012 Society of American Archaeology
2017 Archaeological Institute of America
2018 European Association of Archaeologists
2018 Complex Systems Society
2011 Phi Beta Kappa Society