

Jonathan Paige, PhD

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Education

- 2022 PhD in Anthropology, Institute of Human Origins, Arizona State University.
"The Evolution of Stone Tool Traditions"
Committee: Charles Perreault (chair), Michael Barton, Matthew Peeples.
- 2014 M.A. in Anthropology, "The Organization of Core Technology and Mobility at the
Neolithic Site Hemmeh" and "An Agent Based Model of Lithic
Raw Material Provisioning", Arizona State University.
Committee: Michael Barton (chair), Margaret Nelson, Anick Coudart.
- 2011 B.A. In Anthropology, and Archaeology, Baylor University,
Waco, Texas
Advisor: Benjamin Arbuckle

Professional Appointments

- 2023-present Postdoctoral Fellow
University of Missouri, Department of Anthropology.
- 2021-2023 Research Scientist/Lecturer
Center for Archaeological Research, University of Texas San Antonio
- 2013-2020 Teaching Assistant
School of Human Evolution and Social Change, Arizona State University
- 2016 Archaeological Field Technician, Westland Resources, Phoenix, Arizona.
- 2015 Digital curator, The Digital Archaeological Record (tDAR), Digital Antiquity, Tempe,
Arizona.
- 2014-2015 Research Assistant
Ceramic Rehydroxylation Lab, Arizona State University, School of
Human Evolution and Social Change.

Peer Reviewed Publications

- 2023 **Paige, J.**, Perreault, C. "A Dataset Describing the Manufacturing of Stone Tools Over 3 Million Years". *Journal of Open Archaeological Data*.
- 2022 **Paige, J.**, Perreault, C. 'How surprising are lithic reduction strategies? The Information Entropy of the Modes A-I framework'. *Lithic Technology*.
- 2020 Ranhorn, K., Pargeter, J., Premo, L., Beney, M., Braun, D., Brooks, A., Kuhn, S., Melton, A., McPherron, S., Moore, M., **Paige, J.**, Porter, S., Reeves, J., Shea, J., Subiaul, F., Stout, D., Tostevin, D., Wilkins, J. "Investigating the evolution of human social learning through collaborative experimental archaeology". *Evolutionary Anthropology*. Vol. 29, issue 2. Pp. 53-55
- 2020 Chase, A., **J. Paige**. "Local Chert Reduction, Maintenance, and Toolmaking: Terminal Classic Chert Use at Nohmul, Belize". *Research Reports in Belizean Archaeology*. Vol 17. pp. 67-79
- 2017 **Paige, J.**, K. Michelaki, C. Campisano., C. M. Barton, A. Heimsath. "Are the intensities and durations of small-scale pottery firings sufficient to completely dehydroxylate clays? Testing a key assumption underling ceramic rehydroxylation dating". *Journal of Archaeological Science*. Vol. 79, pp. 44-52
- 2016 Smith, S., **J. Paige**, C. Makarewicz. "Further Diversity in the Early Neolithic of the Southern Levant: A First Look at the PPNA Chipped Stone Tool Assemblage from el-Hemmeh, Southern Jordan". *Paléorient*. Vol. 42.1, pp. 7-25.

Grants and Awards

- 2019 PI. Leakey Foundation Research Grant. *Estimating the reliability of stone tools in reconstructing cultural relationships in prehistory*. \$8,718
- 2019 GPSA travel grant. Graduate and Professional Student Association (GPSA) \$900 (competitive).
- 2018 Institute of Social Science Research poster contest award. \$400 (competitive).
- 2018 School of Human Evolution and Social Change Research Grant. \$2,300 (competitive).
- 2018 GPSA travel grant. Graduate and Professional Student Association (GPSA) \$900 (competitive).
- 2017 Institute of Social Science Research poster contest award

	\$1000 (competitive).
2017	GPSA travel grant. Graduate and Professional Student Association (GPSA) \$950 (competitive).
2016	Jumpstart grant, Graduate and Professional Student Association (GPSA) \$500 (competitive).
2015	GPSA travel grant. Graduate and Professional Student Association (GPSA) \$750 (competitive).
2012-2014	Graduate College Enrichment Fellowship. Arizona State University. Full out of state tuition, and stipend.
2012	Devries Fellowship, American Schools for Oriental Research. \$1200 (competitive).
2010	Baylor archaeology field school grant. \$1000 (competitive).
2010	Baylor student foundation scholarship. \$2000 (competitive).

Teaching Experience

2023 Summer	Instructor <i>Public Archaeology.</i> University of Texas, San Antonio
2023 Spring	Guest Instructor <i>Human Origins.</i> Instructor: Thad Bartlett University of Texas, San Antonio
2022 Fall	Guest Instructor <i>Lithic Technology.</i> Instructor: Marcus Hamilton University of Texas, San Antonio
2020 Fall	Guest Instructor <i>Pleistocene Archaeology.</i> Instructor: Kathryn Ranhorn Arizona State University
2020 Spring	Teaching assistant <i>Poverty and Global Health.</i> Instructor: Rhian Stotts Arizona State University
2019 Fall	Teaching assistant

Pyramids and Hieroglyphics. Instructor: Joel Palka
Frauds and Myths. Instructor: Sara Marsteller
Arizona State University

2019 Summer **Teaching assistant**
Buried Cities and Lost Tribes. Instructor: Charles Perreault
Poverty and Global Health. Instructor: Rhiann Stotts
Arizona State University

2019 Spring **Teaching assistant**
From Cells to Societies. Instructor: Marty Anderies
Buried Cities and Lost Tribes. Instructor: Kathleen Paul
Arizona State University

2018 Fall **Teaching assistant**
Urban and Environmental Health. Instructor: Alex Brewis-Slade
Arizona State University

2018 Spring **Instructor**
Archaeology in Practice: Exploring Different Specializations Within the Field.
Co-taught course with Sofia Pacheco-Fores and April Kamp-Whittaker for the Osher
lifelong learning institute.

2018 Spring **Guest Instructor**, *Human Impacts on Ancient Environments*.
“Water Management in the Valley of Mexico: Before and After Conquest”
Arizona State University

2018 Spring **Teaching assistant**,
Human Impacts on Ancient Environments. Instructor: Sean Bergin
Arizona State University

2017 Fall. **Teaching assistant, and course developer**
Human Sexuality. Instructor: Sarah Mathew
Bones Stones and Human Evolution: Thomas Morgan
Arizona State University

2017 Summer **Teaching assistant**
Disaster! Instructor: Amber Wutich
Forensic Anthropology. Instructor: Christopher Stojanowski
Death and Dying. Instructor: Kelly Knudson
Arizona State University

2017 Spring **Teaching assistant**
Buried Cities and Lost Tribes: Charles Perreault
Arizona State University

2016 Fall **Teaching assistant**

Food and Culture: Kent Johnson
Buried Cities and Lost Tribes: Curtis Marean
Arizona State University

2016 Spring **Teaching assistant**
Buried Cities and Lost Tribes: Charles Perreault
Arizona State University

2015 Fall **Teaching assistant**
Buried Cities and Lost Tribes: Charles Perreault
Arizona State University

2014 Fall **Teaching assistant**
Pyramids and Hieroglyphics: Ben Nelson
Arizona State University

2014 Spring **Teaching assistant**
Buried Cities and Lost Tribes: Mike Smith
Arizona State University

2013 Fall **Course Developer**
Buried Cities and Lost Tribes: Mike Smith
Arizona State University

Technical Reports and Manuscripts

2023 Kemp, L., Wigley, S., **Paige, J.** *NRHP Eligibility Testing of Ten Sites on Camp Maxey, Lamar County, Texas*. Center for Archaeological Research, University of Texas, San Antonio.

2023 Wigley, S., **Paige, J.** *Archaeological Investigations on the Grounds of the San Antonio State Hospital, Bexar County, Texas*. Center for Archaeological Research, University of Texas, San Antonio.

2022 **Paige, J.** *Intensive Archaeological Survey of City Public Service Energy Substation Property at Old Tezel and Guilbeau Road, Bexar County, Texas*. Center for Archaeological Research, University of Texas, San Antonio.

2022 Kemp, L., **Paige, J.** *Intensive Archaeological Survey of City Public Service Energy Substation Property at Howard Road, Bexar County, Texas*. Center for Archaeological Research, University of Texas, San Antonio.

2022 **Paige J.** *Archaeological Monitoring of Emergency Sewer Repair at Brackenridge Park, San Antonio, Texas*. Center for Archaeological Research Reports.

2022 **Paige, J.**, Yelacic, D. *Intensive Archaeological Survey of Highland-Braunig City Public Service Energy Transmission Corridor, Bexar County, Texas*. Center for Archaeological Research Reports.

Invited Sessions

2020 **Jonathan Paige** “measuring the reliability of stone tools for reconstructing cultural relationships”, CLIOARCH webinar series, Aarhus University, Aarhus, Denmark

2020 **Jonathan Paige**, Deanna Dytchkowskyj, Charles Perreault. “Measuring the complexity of stone tool technologies from the Lower Paleolithic through the Late Holocene” Society for American Archaeology 84th annual Meeting, Albuquerque, New Mexico

2019 Discussant. Paleolithic Social Transmission (PaST) workshop. Albuquerque, NM

2018 **Jonathan Paige**, Charles Perreault. “Was Acheulean technology genetically constrained? Comparing variation in Acheulean tools to variation in North American bird nests”. Society of American Archaeology 2018 meeting, Washington D.C.

Talks

2023 Snitker, G., Bergin, S., **Paige, J.**, Jansson, A. “Exploring High-Elevation Social-Ecological Relationships through Two Pilot Field Seasons of the Central Cascades Alpine Land-Use and Fire History Project”, Society for American Archaeology annual meeting, Portland, Oregon.

2023 **Jonathan Paige**, Charles Perreault. “Are Changes in Rates of Technological Change Robust to Error? A Paired Bayesian and Simulation Approach to Assessing the Pleistocene Record”, Society for American Archaeology annual meeting, Portland, Oregon.

2023 **Jonathan Paige**, Charles Perreault. “How surprising are contents of lithic assemblages? The information entropy of the stoneworking modes A-I framework”, Paleoanthropology Society Annual Meeting, Portland, Oregon.

2022 **Jonathan Paige**, Charles Perreault. “Evaluating the reliability of lithic technology for detecting prehistoric migrations”, Paleoanthropology Society Annual Meeting, Denver, Colorado.

2019 Lacey Carpenter, **Jonathan Paige**. “Tools for Change: Food Preparation Techniques during State Formation at the Tilcajete Sites”. Society for American Archaeology 84th annual Meeting, Albuquerque, New Mexico

2018 **Jonathan Paige**, Deanna Dytchkowskyj, Charles Perreault. “Measuring the complexity of stone tool technologies from the Lower Paleolithic through the Late Holocene” Cultural Evolution Society Meeting 2018, Tempe, Arizona.

- 2018 **Jonathan Paige**, Charles Perreault. "Was Acheulean technology genetically constrained? Comparing variation in Acheulean tools to variation in North American bird nests". Cultural Evolution Society Meeting 2018, Tempe, Arizona.

Workshops Attended

- 2020 Social Networks and Cultural Evolution in Prehistoric Hunter-Gatherers, University Institute of Research in Archaeology and Heritage.
- 2019 MORPH 2019: The 4th Conference on the Archaeological and Anthropological Applications of Morphometrics. Tohoku University, Sendai, Japan.
- 2019 Paleolithic Social Transmission (PaST) workshop. University of New Mexico, Albuquerque, New Mexico.
- 2018 Social Learning in the Paleolithic: Experimental Approaches. George Washington University, Washington D.C.

Posters

- 2023 Cindy Hsin-Yee Huang, Murray, J., James, S., Ithxayana Ferrer, A., **Paige, J.**, Hansen, N., Ranhorn, K. "Quality Control: The Impact of Raw Material Quality on Inter-analyst Variation and Interpretation of Lithic Assemblages", Society for American Archaeology annual meeting, Portland, Oregon.
- 2022 Cindy Hsin-Yee Huang, Murray, J., James, S., Ithxayana Ferrer, A., **Paige, J.**, Hansen, N., Ranhorn, K. "Flake it 'Til You Make It: Raw Material Quality, Skill and Variation in Stone Tool Production", Society for American Archaeology annual meeting, Chicago, Illinois.
- 2022 **Jonathan Paige**, Charles Perreault. "The Evolution of Cumulative Culture in the Hominin Lineage", American Association of Biological Anthropologists meeting, Denver, Colorado.
- 2019 **Jonathan Paige**, Deanna Dytchkowskyj, Charles Perreault. "Age uncertainty of stone tool assemblage and its effect on measuring rates of increases in technological complexity" Tempe, Arizona.
- 2017 **Jonathan Paige**, Charles Perreault. "The likelihood of convergence in flake attributes". Paleoanthropology Society 2017 meeting. Poster session.
- 2017 Adrian Chase, **Jonathan Paige**. "Nohmul Chert". Belize Archaeology Symposium. Poster Session.
- 2017 Derek Miltimore*, Charles Perreault, **Jonathan Paige**. "Inter-observer error in stone tool measurements from 3d scans, relative to hand measurements". Society of American Archaeology 2017 meeting. Poster session.

- 2017 Adrian Chase, **Jonathan Paige**. "Nohmul, and its relationship to postclassic chert economies in the Maya Lowlands". Society of American Archaeology 2017 meeting. Poster session.
- 2016 **Jonathan Paige**, Derek Miltimore*, "Intergroup variation in flake attributes and consequences for reconstructing cultural interactions". Southwestern Association of Biological Anthropologists 2016 meeting. Poster session.
- 2016 **Jonathan Paige**, "Detecting Cultural Transmission in Lithic Assemblages". Society for American Archaeology 2016 Meeting. Poster session.
- 2014 **Jonathan Paige**, Kostalena Michelaki. "Rehydroxylation Dating: Promises and Challenges". Brown Bag Series of the Archaeology program, School of Human Evolution and Social Change.
- 2010 **Jonathan Paige**. "Hemneh and the Neolithic in the Near East". Texas Archaeological Society Meeting. Waco, Texas.

*Undergraduate researcher

Laboratory, Research and Collections Experience

- 2018-2019 Visiting Researcher, Arizona State Museum, Amerind foundation, and Museum of Northern Arizona. Analysis of Davis Ranch and Reeve Ruin, and Ash Terrace lithic assemblages. Supported by School of Human Evolution and Social Change Research Grant (2018).
- 2017-2018 Analysis of lithic assemblages of formative period sites in the Valley of Oaxaca, El Mogote and El Palenque. PI: Lacey Carpenter. Oaxaca, Mexico.
- 2016 Analysis of lithic assemblages of Postclassic Maya site Nohmul. Tempe, Arizona. Output: Chase et al. 2020.
- 2015-present Analysis of Tonto Basin lithic assemblages, Center for Archaeology and Society, Tempe, Arizona. Undergraduate research assistant: Derek Miltimore.
- 2015 Digital curator, The Digital Archaeological Record (tDAR), Digital Antiquity, Tempe, Arizona. Supervisor: Dr. Francis McManamon.
- 2014-2015 Research assistant, Ceramic Rehydroxylation Lab, Arizona State University, School of Human Evolution and Social Change. PI: Dr. Kostalena Michelaki
Output: Paige et al. 2017, *Journal of Archaeological Science*
- 2012, 2013 Lithic analyst, Hemneh Assemblage, Oxford Brookes University, Oxfordshire, United Kingdom. PI: Dr. Cheryl Makarewicz, Dr. Sam Smith.
Output: Smith et al. 2016, *Paleorient*.

2011-2013 Lab manager and lithic analyst, Hemmeh Project, Amman, Jordan (3 field seasons).
PI: Dr. Cheryl Makarewicz.
Output: Smith et al. 2016, *Paleorient*

Community and Professional Service

Reviewer: Journal of Archaeological Science: Reports, Computational Modeling for SocioEcological Sciences (COMSES), ASU GPSA research grant program.

Member: Paleoanthropology Society, Society for American Archaeology, Cultural Evolution Society

2018-2021 Volunteer for Institute of Human Origins, Night of the Open door public science event.

2015-2016 Undergraduate research fellowship supervisor (Derek Miltimore).

2015 Judge in high school social science competition, Arizona Science & Engineering Fair (AzSEF).

2015 Graduate mentor/volunteer, First Generation Pathways to Success (1st GPS) program.

2014-2015 Graduate reader program volunteer (AAGS), School of Human Evolution and Social Change.

2014-2015 Centennial professorship award committee volunteer, Graduate and Professional Student Association (GPSA)

2014-present Model reviewer, Computational Modeling for SocioEcological science (COMSES), Openabm.org.

2013-2014 Archaeology Approach representative (elected), Association of All Graduate Students (AAGS). School of Human Evolution and Social Change, Arizona State University.

2011 Appointed student representative, Baylor Collections Committee. Baylor University.

Programming languages

R (Advanced)
Python, netlogo (Novice)

Press

Interviewed on Afternoons with Jesse Mulligan, Radio New Zealand. November 29, 2019.

<https://www.rnz.co.nz/national/programmes/afternoons/audio/2018724691/visiting-academic-studying-stone-age-pitcairn-island-tools>