

Jonathan Paige, PhD

University of Missouri
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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, Arizona State University.
- 2011 B.A. In Anthropology, and Archaeology, Baylor University,
Waco, Texas

Professional Appointments

- 2023-present Postdoctoral Fellow
University of Missouri, Department of Anthropology.
- 2023-present Affiliated Researcher
Center for Archaeological Research, University of Texas, San Antonio
- 2021-2023 Research Scientist/Lecturer
Center for Archaeological Research, University of Texas, San Antonio

Peer Reviewed Publications

- 2024 **Paige J.**, Perreault, C. “3.3 million years of stone tool complexity suggest cumulative culture developed in the Middle Pleistocene”. *Proceedings of the National Academy of Sciences*.
- 2024 **Paige J.** “The Legality and Ethics of Web Scraping in Archaeology”. *Advances in Archaeological Practice*.
- 2024 Walker, R., **Paige, J.** “Modeling the social drivers of environmental sustainability among Amazonian indigenous lands using Bayesian networks” *PLOS ONE*.
- 2023 **Paige, J.**, Perreault, C. “A Dataset Describing the Manufacturing of Stone Tools Over 3 Million Years”. *Journal of Open Archaeology 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

- 2023 Co-PI. University of Missouri Cross-Generational Research Initiative Grant. *Digital discovery and field exploration of ancient Amazonian geoglyphs*. \$15,000
- 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).
- 2015 GPSA travel grant. Graduate and Professional Student Association (GPSA) \$750 (competitive).
- 2012-2014 Graduate College Enrichment Fellowship. Arizona State University.
- 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).

Courses Taught

- 2023 (ANT 3453) *Public Archaeology*.
Department of Anthropology, University of Texas, San Antonio
- 2018 *Archaeology in Practice: Exploring Different Specializations Within the Field*.
Osher Lifelong Learning Institute.

Other Teaching Experience

| Course Design | Guest Lecture | Teaching Assistant | Course Title |
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| | 2024 | | North American Archaeology (UM) |
| | 2023 | | Thriving in Graduate School (UM) |
| | 2023 | | Lithic Technology (UTSA) |
| | 2023 | | Human Origins (UTSA) |
| | 2022 | | Anthropology Matters (UTSA) |
| 2020 | 2020 | | Pleistocene Archaeology (ASU) |
| | | 2019-2020 | Poverty and Global Health (ASU) |
| | | 2019 | From Cells to Societies (ASU) |
| | | 2019 | Frauds and Myths (ASU) |
| | | 2018 | Urban and Environmental Health (ASU) |
| | 2018 | 2018 | Human Impacts on Ancient Environments (ASU) |
| | | 2017 | Human Sexuality (ASU) |
| | | 2017 | Forensic Anthropology (ASU) |
| 2017 | | 2017, 2020 | Stones Bones and Human Evolution (ASU) |
| | | 2017 | Death and Dying (ASU) |

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| | 2017 | Disaster! (ASU) |
| | 2016-2017 | Food and Culture (ASU) |
| | 2014, 2019 | Pyramids and Hieroglyphics (ASU) |
| 2013 | 2013-2019 | Buried Cities and Lost Tribes (ASU) |

Invited Talks

- 2024 **Paige, J.** “The Evolution of Cumulative Culture in the Hominin Lineage”, Anthropology Department Symposium Series, University of Missouri
- 2020 **Paige, J.** “Measuring the reliability of stone tools for reconstructing cultural relationships”, CLIOARCH webinar series, Aarhus University, Aarhus, Denmark

Sessions Organized

- 2024 “Big Ideas to Match Our Future: Big Data and Macroarchaeology” Society for American Archaeology 88th annual meeting, New Orleans, Louisiana

Discussant

- 2024 “Big Ideas to Match Our Future: Big Data and Macroarchaeology” Society for American Archaeology 88th annual meeting, New Orleans, Louisiana
- 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.

Talks

- 2024 **Paige, J.**, Perreault, C. “Developing a macro-archaeological infrastructure to help assess the relationship between hominin technological and biological change” American Association of Biological Anthropologists meeting, Los Angeles, California.
- 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 88th annual meeting, Portland, Oregon.
- 2023 **Paige, J.**, Perreault, C. “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 88th annual meeting, Portland, Oregon.

- 2023 **Paige, J.**, Perreault, C. “How surprising are contents of lithic assemblages? The information entropy of the stoneworking modes A-I framework”, Paleoanthropology Society 88th annual meeting, Portland, Oregon.
- 2022 **Paige, J.**, Perreault, C. “Evaluating the reliability of lithic technology for detecting prehistoric migrations”, Paleoanthropology Society Annual Meeting, Denver, Colorado.
- 2020 **Paige, J.**, Dytchkowskyj, D., Perreault, C. “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 Carpenter, L., **Paige, J.** “Tools for Change: Food Preparation Techniques during State Formation at the Tilcajete Sites”. Society for American Archaeology 84th annual Meeting, Albuquerque, New Mexico
- 2018 **Paige, J.**, Perreault, C. “Was Acheulean technology genetically constrained? Comparing variation in Acheulean tools to variation in North American bird nests”. Society of American Archaeology 83rd annual meeting, Washington D.C.
- 2018 **Paige, J.**, Dytchkowskyj, D., Perreault, C. “Measuring the complexity of stone tool technologies from the Lower Paleolithic through the Late Holocene” Cultural Evolution Society meeting, Tempe, Arizona.
- 2018 **Paige, J.**, Perreault, C. “Was Acheulean technology genetically constrained? Comparing variation in Acheulean tools to variation in North American bird nests”. Cultural Evolution Society meeting, Tempe, Arizona.

Workshops Attended

- 2024 CatMapper development workshop organized by Dan Hruschka and Matt Peeples. Arizona State University, Tempe, Arizona.
- 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.

Posters

- 2023 Hsin-Yee Huang, C., 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 88th annual meeting, Portland, Oregon.

- 2022 Hsin-Yee Huang, C., 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 87th annual meeting, Chicago, Illinois.
- 2022 **Paige, J.**, Perreault, C. "The Evolution of Cumulative Culture in the Hominin Lineage", American Association of Biological Anthropologists meeting, Denver, Colorado.
- 2017 **Paige, J.**, Perreault, C. "The likelihood of convergence in flake attributes". Paleoanthropology Society 2017 meeting. Poster session.
- 2017 Chase, A, **Paige, J.** "Nohmul Chert". Belize Archaeology Symposium. Poster Session.
- 2017 Miltimore, D.*, Perreault, C., **Paige, J.** "Inter-observer error in stone tool measurements from 3d scans, relative to hand measurements". Society of American Archaeology 82nd annual meeting. Poster session.
- 2017 Chase, A, **Paige, J.** "Nohmul, and its relationship to postclassic chert economies in the Maya Lowlands". Society of American Archaeology 82nd annual meeting. Poster session.
- 2016 **Paige, J.**, Miltimore, D.*, "Intergroup variation in flake attributes and consequences for reconstructing cultural interactions". Southwestern Association of Biological Anthropologists 2016 meeting. Poster session.
- 2016 **Paige, J.** "Detecting Cultural Transmission in Lithic Assemblages". Society for American Archaeology, 81st annual meeting, Orlando Florida.
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2010 **Paige, J.** "Hemeh and the Neolithic in the Near East". Texas Archaeological Society Meeting. Waco, Texas.

*Undergraduate researcher

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.
- 2023 **Paige J.** *Archaeological Monitoring of Emergency Sewer Repair at Brackenridge Park, San Antonio, Texas.* Center for Archaeological Research Reports.

Community and Professional Service

- Member: American Association of Biological Anthropologists, Paleoanthropology Society, Society for American Archaeology.
- 2022-2024 Fundraising Committee member, Society for American Archaeology.
- 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.

Skills

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| R | (Advanced) |
| Python, netlogo | (Novice) |
| ArcGIS, QGIS | (Advanced) |

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>