

Justin Garnett

01-29-25

Archaeologist, P.hD, current position: Visiting Assistant Professor of Anthropology

Center for Big Bend Studies, Sul Ross State University

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RESEARCH INTERESTS

I am an experimental archaeologist exploring how people use technology to adapt to their environments. I mainly focus on the projectile weapons, lithics, and osseous tools of hunter-gatherers. Areas of interest are the North American Paleoindian period, the Holocene American Southwest, early agriculture, and the European Upper Paleolithic. I use 3D printing and other digital technologies to aid in my research and replication efforts. I engage in public outreach digitally; since 2011 have co-hosted a website about indigenous American spearthrowers, <https://Basketmakeratlatl.com>. Since early 2023 I have hosted a Thingiverse page (<https://www.thingiverse.com/archaeomodels/designs>) to distribute 3D printable models of artifact replicas, under a Creative Commons license.

EDUCATION

PhD, Anthropology 2024

University of Kansas (KU), Lawrence, KS.

Master of Arts, Anthropology, 2021

University of Kansas, Lawrence, KS.

Bachelor of Liberal Arts, Minor in Anthropology, 2017

University of Missouri, Kansas City (UMKC), Kansas City, MO.

Archaeological Field School, 2017
Hell Gap Field Station, Paleoindian Research Lab, University of Wyoming, Laramie WY.

TEACHING EXPERIENCE

Graduate Teaching Assistant for Anthropology department, KU. 2019 - 2024

Undergraduate Teaching Assistant for Anthropology department, UMKC. 2016 - 2017

EMPLOYMENT HISTORY

Graduate Curatorial Research Assistant for Biodiversity Institute, Archaeology Division, KU. 2024

Field Director, Hell Gap Field Station. 2024
Goshen County, WY.

Field Crew, Odyssey Archaeological Research Fund, KGS. 2019
Lawrence, KS. Marfa, TX.

Camp Manager/Field Crew, Paleoindian Research Laboratory. Hell Gap Field Station. 2018
Goshen County, WY.

Research Laboratory Technician, Department of Plant Sciences, 2007-2014
Robert E. Sharp Lab, University of Missouri, Columbia MO.

PROFESSIONAL ORGANIZATIONS

Society for American Archaeology, Member 2019-Present

Paleoanthropology Society, Member 2023-Present

Kansas City Clay Guild, Member 2023-Present

World Atlatl Association, Treasurer 2014-2016

World Atlatl Association, Web Master	2012-2017
World Atlatl Association, Board of Directors	2013-2015
Missouri Atlatl Association, Vice President	2013-2016
Missouri Atlatl Association, Secretary	2010-2013

PUBLICATIONS

- Sellet, F., **Garnett, J.** (2024). A Folsom Foreshaft from the Blackwater Draw Site. *American Antiquity*, 89(2), 263–278. <https://doi.org/10.1017/aaq.2024.15>
- Pettigrew, D., **Garnett, J.**, Ryals-Luneberg, C. & Vance, E. (2023). Terminal Ballistics of Stone-Tipped Atlatl Darts and Arrows: Results From Exploratory Naturalistic Experiments. *Open Archaeology*, 9(1), 20220299. <https://doi.org/10.1515/opar-2022-0299>
- Garnett, J.**, Sellet, F. Exploring the Possible Function of Paleolithic Open Rings as Spearthrower Finger Loops. *J Paleo Arch* 6, 9 (2023). <https://doi.org/10.1007/s41982-023-00136-0>
- Garnett, J.** (2019). An Ambiguous Artifact From San Esteban. *La Vista de la Frontera*, volume 29, no. 3, page 13.
- Shimek, R., Gover, C., Arnold, T., Feldman, T., Mefford, H., **Garnett, J.**, Gutierrez, A., Grabar, E., Hoth, D., Piven, A., Thompson, L.K., Larson, M.L., Kornfeld, M. 2018 Preliminary Results of the 2018 Investigations at the Hell Gap Site. Technical Report No. 68, Paleoindian Research Lab, Laramie, Wyoming.
- Fitzpatrick, T., **Garnett, J.**, Batsky, J., Carreto, D., Piven, A., Garhart, Z., Shimek, R., Larson, M. L., Kornfeld, M. 2018 Preliminary Results of the 2017 Investigations at the Hell Gap Site. Technical Report No. 67, Paleoindian Research Lab, Laramie, Wyoming.
- Garnett, J.**, Pettigrew, D. B. (2017) Experiments with Basketmaker II Atlatls as Combat Weapons. *The Missouri Archaeologist* (2017), volume 78, pages 11-26.
- Pettigrew, D. B., Whittaker, J. C., **Garnett, J.**, Hashman, P. (2015). How atlatl darts behave: Beveled points and the relevance of controlled experiments. *American Antiquity*, 80(3), 590-601.

POSTERS

- Garnett, J.** 3D Printing for Lithic Artifact Replication: Assessing Affordable Options. Presented at the 88th Annual Meeting of the Society for American Archaeology, Portland, OR. 2023 (DOI: 10.13140/RG.2.2.14330.16323)
- Gover, C, **Garnett, J.** A Possible New Paleoindian Area of the Hell Gap Site: The 2018 Shovel Test at

Locality IV. Presented at The 84th Annual Meeting of the Society for American Archaeology, Albuquerque, NM. 2019 (tDAR id: 452200)

Fitzpatrick, T., **Garnett, J.**, Van Etten, H., Shimek, R., Piven, A., Larson, M. L., Kornfeld, M., Garhart, Z., Carreto, D., Batisky, J., Wall, S. Hell Gap 2017: Excavations at a New National Historic Landmark. Poster presented at: Montana Archaeological Society 60th Annual Meeting In Conjunction With the Wyoming Archaeological Society and Wyoming Association of Professional Archaeologists, 2018, April 26-29, Billings, MT.

Garnett, J. Experimental Characterization of Basketmaker II Atlatl and Dart Systems as Combat Weapons: Technological Limitations and Implications for Combat Dynamics and Social Organization. Presented at the Central States Anthropological Society Conference, 2016, April 21-23, Kansas City, MO. (DOI: 10.13140/RG.2.2.20002.30405)

Pettigrew, D. B., **Garnett, J.** Ancient Projectile Weapons for Teaching and Public Outreach. Presented at the 81st Annual Meeting of the Society for American Archaeology, Orlando, Florida. 2016 (tDAR id: 404258)

Garnett, J. Experiments In Fending Atlatl Darts With Basketmaker S-Shaped Sticks. Poster presented at 73rd annual Plains Anthropological Conference, 2015, October 14-17, Iowa City, IA. (Winner of Student Poster Contest)(DOI: 10.13140/RG.2.2.16646.86081)

Garnett, J., He, Y., McClain, W., LeNoble, M.E., Fritschi, F., Sleper, D., Shannon, J., Nguyen, H., Sharp, R. Plasticity of soybean root system development under water deficits. Poster presented at 5th Annual Soybean Biotechnology Symposium, April 2009, Columbia, MO.

He, Y., **Garnett, J.**, McClain, W., LeNoble, M.E., Fritschi, F., Sleper, D., Shannon, J., Nguyen, H., Sharp, R. Plasticity of soybean root system development under water deficits. Poster presented at: American Society of Agronomy Conference, October 2008, Houston, TX.

He, Y., **Garnett, J.**, McClain W., LeNoble M.E., Sleper D., Shannon, J., Nguyen, H., Sharp, R.. Plasticity of soybean root system development under water deficits. Poster presented at: Univ. Missouri Life Sciences Week, April 2008, Columbia, MO.

He, Y., **Garnett, J.**, McClain W., LeNoble M.E., Sleper D., Shannon, J., Nguyen, H., Sharp, R. Plasticity of soybean root system development under water deficits. Poster presented at: 4th Annual Soybean Biotechnology Symposium, Univ. Missouri, April 2008, Columbia, MO.

INVITED PRESENTATIONS

Garnett, J. Experiments with Atlatls as Combat Weapons. Talk presented for: Explorations in Archaeology, September 23, 2020, KU (presented over Zoom).

Garnett, J. Atlatls as Combat Weapons: a Phenomenological Approach. Talk presented at: Missouri Archaeological Society Fall Symposium, October 1, 2016, Miami, MO.

Garnett, J. Basketmaker Atlatls of the Harvard Peabody Museum. Talk presented at Cahokia Mounds Atlatl Event at Cahokia Mounds World Heritage Site, September 9-11, 2011. Collinsville, Il.

Garnett, J., He, Y., McClain, W., Yamaguchi, M., LeNoble, M.E., Fritschi, F., Sleper, D., Shannon, J., Nguyen, H.T., Sharp, S. Plasticity of Soybean Root System Development Under Water Deficits. Talk presented at: ASA, CSSA, and SSSA 2010 International Annual Meeting, October 31- November 4, 2010, Long Beach, CA.