

Molly Boeka Cannon

Curriculum Vitae

Education

- Ph.D. Geography, 2013, University of Nebraska
Dissertation Title: Demonstrating the Significance of Space in Ordinary Settings
Committee: Douglas Amedeo (Chair), James Merchant, Richard Sutton, and Yunwoo Nam
- M.A. Anthropology, 2002, University of Wyoming, Laramie
Thesis Title: Spatial Analysis of Cultural and Natural Distributions of Artifacts at the Lawrence Site, Jackson Lake, Wyoming, Investigating Inundated Deposits
Committee: Mary Lou Larson (Chair), Robert Kelly, William Gribb
- B.A. Anthropology, 2000, University of Nebraska
Senior Thesis Title: An Assessment of Faunalurbation at the Fish Creek Ranch Site 48TE1077
Committee: LuAnn Wandsnider (Chair), Bob Hitchcock, Ken Cannon

Academic Interests

Human-Environment Interactions, Geophysics Applications to Archaeology, Museology, Scientific Visualization, Geographic Information Science (GIScience), Alternative Teaching Methods, Student Learning through Research

Academic Appointments

- 2017 - Professional Practice Assistant Professor, Executive Director & Curator, Spatial Data Collection, Analysis & Visualization Lab and Museum of Anthropology, Utah State University, Logan, Utah
- 2016-2017 Assistant Research Professor, Executive Director & Curator, Spatial Data Collection, Analysis & Visualization Lab and Museum of Anthropology, Utah State University, Logan, Utah

Professional Positions

- 2014-2016 Deputy Director and Curator, Spatial Data Collection, Analysis & Visualization Lab and Museum of Anthropology, Utah State University, Logan, Utah
- 2010-2014 Research Coordinator, Spatial Data Collection, Analysis & Visualization Lab, Utah State University, Logan, Utah
- 2008-2009 Geographic Information Science Specialist, Metcalf Archaeological Consultants, Eagle, Colorado
- 2007 Cartographic Researcher, Great Plains Atlas, Department of Geography, University of Nebraska
- 2007-2008 Research Assistant, Center for Digital Research in the Humanities, University of Nebraska

- 2005-2006 Research Assistant, Historic Trails Research, Department of Anthropology & Geography, University of Nebraska
- 2002-2008 Cartographic Technician, National Park Service-Midwest Archeological Center, Lincoln, Nebraska.
- 2002 Archaeological Field Director, Geophysical Investigations at Ft. Laramie, University of Wyoming
- 2001-2002 GIS Laboratory Director, Moxa Arch Project, Department of Anthropology, University of Wyoming
- 2001 Archaeological Technician, Bureau of Land Management, Worland Wyoming Professional, Research, and Technical Positions Cont.
- 2001 Laboratory Assistant, Frison Institute, Department of Anthropology, University of Wyoming
- 1998-2000 Archaeological Technician, National Park Service, Midwest Archeological Center, Nebraska
- 1998 Archaeological Intern, Martha's Vineyard Historical Society, Edgartown, Massachusetts
- 1997 Archaeological Technician, Nebraska State Historic Society, Lincoln, Nebraska
- 1996 Archeological Technician, Archeological Research Center, University of Nebraska.

Peer Reviewed Publications

Articles

- Cannon, M. Boeka, Cohen, A., & Jiminez, K. (2021). Water Heritage and Remote Archaeology: Reshaping the Native American Summer Mentorship Program for Remote Delivery at Utah State University. *Advances in Archaeological Practice*.
- Simms, S., Rittenour, T., Kuehn, C., & Cannon, M. Boeka (2020). Prehistoric Irrigation in Central Utah: Chronology, Agricultural Economics, and Implications. *American Antiquity*, 85(3), 452-469. doi:10.1017/aaq.2020.25
- Kenneth P. Cannon, Molly Boeka Cannon, Houston L. Martin (2020). An archaeologist's view: Knowing the data. A commentary on Keigley (2019) and Beschta and Ripple (2019). *Rangelands*, ISSN 0190-0528, <https://doi.org/10.1016/j.rala.2020.04.006>.
- Pitblado, B., Cannon, M. Boeka, Adovasio, J., Jenetski, J., and Nelson, S. (2013) Archaeological Fingerprinting and Fremont Figurines: Reuniting the Iconic Pilling Collection. *Advances in Archaeological Practice*.
- Morgan, C., Cannon, M. Boeka, Fowler, B. (2013) Statistical means for identifying hunter-gatherer residential features in a lithic Landscape. *Journal of Archaeological Science* 40:3117-3128.
- Pitblado, B., Cannon, M. Boeka, Neff, H., and Dehler, C, Nelson, S. (2012) LA-ICP MS Analysis of Quartzite from the Upper Gunnison Basin, Colorado. *Journal of Archaeological Science*.
- Pitblado, B., Cannon, M. Boeka, and Fowler, B (2012) Predictive Modeling of the Paleoindian Record in Southeastern Idaho and Northern Utah. *Idaho Archaeologist*.

Miller, D., Nelson, C.A., Cannon, M. Boeka, and Cannon, K.P. (2009) Comparison of Fuzzy Clustering Methods and Their Applications to Geophysics Data. *Applied Computational Intelligence and Soft Computing*, Volume 2009, Article ID 876361, 16 pages, doi:10.1155/2009/876361.

Book Chapters

Cannon, K.P., Cannon, M. Boeka, Martin, H. (2021). A Reflection on the Application of Archaeology to the Understanding of the History and Ecology of Holocene Bison in the Greater Yellowstone Ecosystem. In *Discs, Fish, Squirrels and Scat: Papers in Honor of Walter Klippel*. Edited by Meagan Elizabeth Dennison, Jennifer Green, Samantha Upton. University of Tennessee Press, Knoxville.

Cannon, K.P., Cannon, M. Boeka, and Peart, J. (2015). Prehistoric Bison in Jackson Hole, Wyoming; New Evidence from the Goetz Site (48TE455). In *Rocky Mountain Archaeology: A Tribute to James Benedict*, edited by K.P. Cannon, J. Finley and M. Boeka Cannon, *Plains Anthropologist*.

Cannon, K.P. and Cannon, M. Boeka (2004) Zooarchaeology and Wildlife Management in the Greater Yellowstone Ecosystem. In *Archaeology and Conservation Biology*, edited by Lyman, R. Lee and Cannon, K.P. University of Utah Press, Salt Lake City.

Cannon, K.P., Bringelson D.R., and Cannon, M. Boeka (2002) Hunter-Gatherers in Jackson Hole, Wyoming: Testing Assumptions about Site Function. In *Hunters and Gatherers in Theory and Archaeology*, edited by George M. Crothers, Occasional Paper No. 31, Center for Archaeological Investigations, Southern Illinois University.

Edited Works

Cannon, K.P., Finley, J., and Cannon, M. Boeka (Eds.) 2015. *Rocky Mountain Archaeology: A Tribute to James Benedict. Plains Anthropologist*.

Published Abstracts

Amedeo, D. and Cannon, M. Boeka (2012) Fundamental Parallels between Designing and Using Built Environments: conditions ensuring effective activity - performance in everyday built environments. *Proceedings of the 43rd Annual Meeting for Environment and Design Research Association*, Seattle, Washington.

Amedeo, D. and Cannon, M. Boeka (2011) Conceptualizing the Environmental Design Process: Linking Social and Spatial Concerns. *Proceedings of the 42nd Annual Meeting for Environment and Design Research Association*, Chicago, Illinois.

Contracts & Grants Awarded

2020

1. Utah Historic Irrigation Project, Bureau of Reclamation (Co-PI) (\$37,000)
2. Central Utah Water Conservancy (Co-PI) (\$7,000)
3. Saving America's Treasures (PI) (\$74,000)
4. Repatriation Training at the Museum of Anthropology, National Park Service National NAGRPA Program (PI) (\$50,625)
5. General Operating Assistance CARES ACT, Utah Humanities (PI) (\$5,000)

2019

1. Utah Historic Irrigation Project, Bureau of Reclamation (Co-PI) (\$180,000)
2. General Operating Assistance, Utah Division of Arts & Museums (PI) (\$25,000)

2018

1. Tunnels, Trestles, & Track Traveling Exhibition, Utah Humanities (PI) (\$5,000)
2. General Operating Assistance, Utah Division of Arts & Museums (PI) (\$7,600)

2017

1. Creating Cultural Exchanges, Utah State University Diversity Council (PI) (\$5,000)
2. Museum Outreach for Adolescents and Adults, Utah Humanities (PI) (\$2,500)

2016

1. Archaeological Survey at the Cedar Mountain Training Area, Dugway Proving Ground, Year 3, Toole, Utah. (Co-PI with K. Cannon) (\$197,500)
2. Expanding the World Explorers Club at the Museum of Anthropology, Utah Humanities (PI) (\$5,000)

2015

Archaeological Survey at the Cedar Mountain Training Area, Dugway Proving Ground, Year 2, Toole, Utah. (Co-PI with K. Cannon) (\$197,500)

2014

1. Integrated Technology in Utah State University's Museum of Anthropology Exhibits, Utah Division of Arts & Museums (PI) (\$11,980)
2. Expanding Utah State University's Museum of Anthropology's Traveling Trunk Program, Utah Humanities Council (PI) (\$5,000)
3. Archaeological Survey at the Cedar Mountain Training Area, Dugway Proving Ground, Toole, Utah. (Co-PI with K. Cannon) (\$197,500)
4. Archaeological and Geophysical Investigations at the Bear River Massacre Site, Idaho State Historic Preservation Office (Co-PI with K. Cannon) (\$35,000)

2013

1. Geophysical Investigations at the Little Sandy Creek Crossing, Bureau of Land Management, Rock Springs, Wyoming (PI) (\$25,000)
2. Camp Guernsey Site Reassessment, Wyoming National Guard (Co-PI with K. Cannon and W. Eckerle) (\$198,000)
3. Archaeological Survey at the ATV Training Area, Dugway Proving Ground, Toole, Utah (Co-PI with K. Cannon) (\$40,000)

4. Ely Creek/Jones Hole Archaeological District, Dinosaur National Monument (Co-PI with J. Finley) (\$50,000)
 5. Overview and Assessment for the Black Canyon of the Gunnison, Black Canyon of the Gunnison National Park (Co-PI with J. Finley) (\$37,782)
 6. Developing Archaeological Interpretive Displays for Two Utah National Guard Installations, Utah National Guard (PI) (\$18,819)
- 2012 Nez Perce Historical Park: Archeological Overview and Assessment (PI) (\$38,408)
- 2011
1. Bureau of Land Management Colorado Plateau Cooperative Ecosystem Studies Unit (CESU): Historic Sand Cliff Signatures Public Archaeology (Co-PI with K. Cannon) (\$20,000)
 2. National Park Service Rocky Mountains Cooperative Ecosystem Studies Unit: Methodology for Archaeological Investigations at the Potential Location of the Big Head Engagement and Park-wide LiDAR Deliverables at Sand Creek Massacre National Historic Site (Co-PI with K. Cannon) (\$40,000)
 3. Bureau of Land Management Rocky Mountain CESU: Developing a Methodology for Geophysical Investigations of Rockshelters In the Big Horn Mountains of Northwestern Wyoming (PI) (\$55,000)
 4. Lander Road New Fork River Historic Park: Archaeology and Geophysical Investigations at the Lander Road-New Fork River Crossing (Co-PI with K. Cannon) (\$25,000)
 5. Idaho Power Company: Geophysical Investigations at the Hibbard Creek Pioneer Cemetery (Co-PI with K. Cannon) (\$8000)
 6. Bannock Ecological: Geophysical Investigations at Four Archaeological Sites, Fort Hall, Idaho (Co-PI with K. Cannon) (\$6000)
- 2007
1. Bureau of Land Management Challenge Cost Share Grant: Reinvestigation of the Challis Bison Kill site, Custer County, Idaho (Co-PI with K. Cannon) (\$62,000)
 2. Earthwatch Institute Student Challenge Award Program: Killing Bison at Challis: How and When? (Co-PI with K. Cannon) (\$33,000)
 3. Idaho Heritage Trust: Reinvestigation of the Challis Bison Kill site, Custer County, Idaho (Co-PI with K. Cannon) (\$9500)
- 2006 US Fish and Wildlife Service Challenge Cost Share Grant: Prehistoric Ecology at the Goetz Site, Teton County, Wyoming (Co-PI with K. Cannon) (\$19,000)
- 2002 US Fish and Wildlife Service Challenge Cost Share Grant: The Role of Bison in the Pre-contact Ecology of Jackson Hole, Wyoming (Co-PI) (\$40,500)
- 2001 Earthwatch Institute: The role of bison in the ecology and economy of prehistoric Jackson Hole, Wyoming (Co-PI with K. Cannon) (\$78,910)
- 2000 Bureau of Land Management Challenge Cost Share Grant: Reassessment of the Challis Bison Kill and Quill Cave Fauna (Co-PI with K. Cannon) (\$9,115)

Professional Presentations & Posters

Peer Reviewed Organized Symposia

- 2015 **Cannon, M. Boeka** and Amedeo, D. Human Activity in Everyday Built Environments. Symposium Session. Environmental Design Research Association Annual Meetings, Los Angeles, California.
- 2013 **Cannon, M. Boeka**, Cannon, K.P., Roberts, A., and Zimmermann, K. Integrating Participatory GIS and Archaeological Research at the Sand Creek Massacre National Historic Site. Paper presentation at the George Wright Society Meetings, Denver, Colorado.
- 2012 Amedeo, D. and **Cannon, M. Boeka** Fundamental Parallels between Designing and Using Built Environments: conditions ensuring effective activity performance in everyday built environments. Co-organizer and Presenter of Intensive Workshop at the 43rd Annual Meeting for Environment and Design Research Association, Seattle, Washington.
- 2011 Amedeo, D. and **Cannon, M. Boeka**. Conceptualizing the Environmental Design Process: Linking Social and Spatial Concerns. Co-Organizer and Presenter of Intensive Workshop at the 42nd Annual Meeting for Environment and Design Research Association, Chicago, Illinois.
- 2010 **Cannon, M. Boeka**. Exploring the Role of Space in Ordinary Environments. Graduate Student Research Workshop at the 41st Annual Meeting for Environment and Design Research Association, Washington, D.C.
- 2009 Amedeo, D. and **Cannon, M. Boeka** Demonstrating the Significance of Space in Ordinary Settings. Paper presentation 40th Annual Meeting Environment and Design Research Association, Kansas City, Missouri.
- 2002 Cannon, K.P., Bringleston, D., and **Cannon, M. Boeka** Hunter-Gatherers in Jackson Hole, Wyoming. Southern Illinois University Visiting Scholar Conference, Carbondale, Illinois.

Invited Symposia

- 2021 **Cannon, M. Boeka** and Ryan, E. Applying Geophysical Survey for Research, Interpretation, and Preservation. Video presentation for Transitioning from Commemoration to Analysis on the Transcontinental Railroad in Utah: Papers in Honor and Memory of Judge Michael Wei Kwan, Society for Historic Archaeology Annual Conference.
- 2020 **Cannon, M. Boeka**, Cannon, K.P., Murphey, J., Stein, J. Lammey, N. Applying Experimental Archaeological Methods to Differentiate Chinese Celadon Glazed Ceramics from 19th-century Archaeological Sites in the American West. Poster presented at the Society for Historic Archaeology Annual Conference in Boston, Massachusetts.
- 2019
1. **Cannon, M. Boeka** and Mann, R. Collections Triage: Using the Museum of Anthropology's museum collections for student learning. Paper presentation at the Utah Museums Association Annual Conference, Brigham City, Utah.
 2. **Cannon, M. Boeka** Museums Make Great Partners for Science Communication: Sharing Successful Programming from the PEOPLE 3K. Paper presentation at the Society for American Archaeology in Albuquerque, New Mexico.

3. Garce, D. Parry, D., Gross, **M., Boeka Cannon, M.** Honoring Native American Heritage through Collaborative Design. Paper presentation in J. Anthony Paredes Memorial Plenary at the Society for Applied Anthropology annual meeting in Portland, Oregon.
- 2018 **Cannon, M. Boeka** Implications of Integrative Science Approaches for Site Documentation at Bia Ogoi. Poster presentation at the Society for American Archaeology in Washington D.C.
- 2017 Cannon, K.P., Reid, K., Pederson, J., **Cannon, M. Boeka**, Martin, H., Wetzels, K. Finding Bia Ogoi: The Application of Historic Documents and Geomorphology to the Understanding of 19th Century Landscape Change of the Bear River Valley, Franklin County, Idaho. Society for Historical Archaeology Annual Meeting, Fort Worth, Texas.
- 2016
1. Cannon, K.P., Peart, J.M., Martin, H., **Cannon, M. Boeka**, Dunker, C. Life Along the Grade: The Archaeology of the Chinese Railroad Workers, Box Elder County, Utah. Paper presented at the Chinese Railroad Workers in North America Conference at Stanford University, California.
 2. **Cannon, M. Boeka** Archaeological Investigations from the Cedar Mountain Region of the Dugway Proving Grounds. Poster Symposium Session Organizer. Great Basin Anthropological Conference, Reno, Nevada.
 3. **Cannon, M. Boeka** Assessing Archaeological Site Integrity in Dunal Environments at the Dugway Proving Grounds, Tooele, County, Utah. Poster Presentation. Great Basin Anthropological Conference, Reno, Nevada.
 4. **Cannon, M. Boeka** and Cannon, K.P. Moving Site Interpretation Forward through Participatory Action Research at the Sand Creek Massacre Historic Site. Invited Paper Presentation for A Century of Archaeology at Midwestern National Parks. Plains Anthropological Conference, Lincoln, Nebraska.
 5. Cannon, K.P. and **Cannon, M. Boeka**. Alternative Modeling for the Precontact Bison Record in Yellowstone National Park: Implications for Interpretation and Modeling. Invited Paper Presentation for A Century of Archaeology at Midwestern National Parks. Plains Anthropological Conference, Lincoln, Nebraska.
- 2015 Cannon, K.P., **Cannon, M. Boeka**, and Ekerle, W. Developing A Minimally Invasive Protocol for Assessing Site Eligibility on the North Training Area, Camp Guernsey, Wyoming. Poster Presentation at the Society for American Archaeology Meetings, San Francisco, California.
- 2014 Cannon, K.P., **Cannon, M. Boeka**, Reid, K.C., Pederson, J., Shults, S., and Peart, J. Preliminary Results of Archaeological Investigations at the Bear River Massacre Site, Franklin County, Idaho. Paper presentation at the Great Basin Anthropological Conference, Boise, Idaho.
- 2013 Cannon, K.P., Hale, E., and **Cannon, M. Boeka** An Historical Perspective on Archaeology of the Greater Yellowstone Ecosystem. Paper Presentation at the 10th Biennial Rocky Mountain Anthropological Conference, Taos, New Mexico.
- 2011
1. Pitblado, B., Cannon, M. Boeka, Fowler, B. Predictive Modeling of the Paleoindian Record in Southeastern Idaho and Northern Utah. Paper Presentation at the 76th Annual Society for American Archaeology Meetings, Sacramento, California.

2. **Cannon, M. Boeka**, Cannon, K.P., Pitblado, B., and Peart, J. USU CESU Projects in Idaho and Colorado. Poster Presentation at the 10th Biennial Rocky Mountain Anthropological Conference.
- 2007 **Cannon, M. Boeka**, Miller, D., Nelson, C., and Cannon, K.P. Using Fuzzy Set Theory to Identify Geophysical Anomalies. Co-Organizer and Paper Presentation at the 8th Biennial Rocky Mountain Anthropological Conference.
- 2006 **Cannon, M. Boeka** Using Geographic Information Science in Historic Trails Research in Nebraska. Paper presentation at the Society for Historical Archaeology Annual Meetings, Sacramento, California
- 2005
1. **Cannon, M. Boeka** Spatial Analysis of Cultural and Natural Distributions of Artifacts at the Lawrence Site, Jackson Lake, Wyoming, Investigating Inundated Deposits. Paper presentation at the Rocky Mountain Anthropological Conference, Park City, Utah.
 2. **Cannon, M. Boeka** and Cannon, K.P. New Interpretations at the Challis Bison Kill Site (10CR196). Paper presentation at the 70th Society for American Archaeology Conference, Salt Lake City, Utah.
- 2002 A Case Study in the Variation of Sutural Bones between Sex, Time, and Population. Paper Presentation in the Bioarchaeology of Northwestern Plains Symposium, Organizers G. Gill and R. Weathermon, at the 60th Plains Anthropological Conference, Oklahoma City, Oklahoma. Invited Symposium.
- 2001 Cannon, K.P., and **Boeka, M.** Archaeology and Wildlife Management in the Greater Yellowstone Ecosystem. Paper Presentation in the Zooarchaeology's Contributions to Conservation Biology symposium, organizers L. Lyman and K.P. Cannon, at the 67th Society for American Archaeology Conference, Denver, Colorado.

Travel and Fieldwork

- 2020 Co-Director, Geophysical Survey at Boundary Village, Uintah County, Utah.
- 2016- Co-Director, Geophysical Survey and mapping along the Transcontinental Byway, Box Elder County, Utah.
- 2015-2017 Co-Director, Cultural Resource Survey at the U.S. Army Dugway Proving Grounds, Tooele, Utah
- 2015 Co-Director, Geophysical Survey at the Camp Williams National Guard Installation, Blanding, Utah
- 2014
1. Co-Director, Geophysical and Archaeological Assessment at the Bear River Massacre Site, Franklin County, Idaho
 2. Director, Geophysical Survey at the Little Sandy Creek Crossing, Wyoming
- 2014-2016 Team Member, Pleasant Creek Fremont Irrigation Project, Fishlake National Forest, Utah
- 2013 Co-Director, Geophysical and Geomorphological Assessment in the North Training Area, Camp Guernsey, Wyoming National Guard, Wyoming

2012

1. Director, Geophysical survey Big Horn Basin, Wyoming
2. Director, Geophysical survey at Camp Williams National Guard, Utah

2011

1. Director, Geophysical survey at Hibbard Creek Pioneer Cemetery, Oregon
2. Director, Geophysical survey Ryegrass Creek, Idaho
3. Director, Geophysical survey Black Mountain Archaeological District, Wyoming
4. Co-Director, Lander Road-New Fork River Crossing Historic Park, Wyoming

2010 Co-Director, Archaeological survey at National Elk Refuge, Jackson, Wyoming

2007-2009. Co-Director, Archaeological excavations at Challis Bison Kill Site, Challis, Idaho

2006 Co-Director, Geophysical Survey Stinking Spring Rockshelter, Wyoming

2003

1. Director, Mapping Bathhouse Row, Hot Springs National Park, Arkansas
2. Field Director, Archaeological excavations and geophysical survey at the Valles Caldera National Preserve, New Mexico

2002-2004 Co-Director, Archaeological excavations at the Goetz site, National Elk Refuge, Wyoming

2002 Field Director, Geophysical survey at Ft. Laramie National Historic Site, Wyoming

2001 Archaeological Intern, Bureau of Land Management Worland, Wyoming

2000 Archeological Technician, Archaeological excavations at the Cove Creek Site, Idaho

1999 Team Member, Archaeological survey and site recording in Rough Cilicia, Turkey

1998 Archaeological Intern, Excavations at Cooke House, Martha's Vineyard, Massachusetts

1997 Archaeological Technician, Archaeological excavations in Brownsville County, Nebraska

Geographic Information Science Projects

2019

1. Innovations in Data Documentation & Distribution for Engineered Landscapes along the Transcontinental Railway in Box Elder County, Utah
2. Water Heritage Anthropological Project

2013

1. Assessing the Application of Geophysics and Geomorphological Analyses in Prehistoric Archaeological Settings in Eastern Wyoming
2. Investigating surface disturbance using Lidar at Sand Creek Massacre National Historic Site

2011

1. Developing a Participatory Geographic Information System to Build Consensus for Interpretation at Sand Creek Massacre National Historic Site
2. Statistical and Spatial Modeling of Quartzite Geochemistry in the Upper Gunnison Basin, Colorado

2010 Modeling Paleo-American Landscape of Southeastern Idaho, Northern Utah

2009 Cultural Material Distributions at Archaeological Sites along the Piceance Pipeline

2007 Midwest Region Native American Graves Protection and Repatriation Act GIS

2006 Jerry Peak Archeological and Fire Management Assessment Study

2003 Hot Springs National Park Cultural Resource GIS

Museum Studies and Collection Management Experience

Curation

- 2019- Ongoing NAGPRA documentation and collections management at the USU Museum of Anthropology. Grant writing, preparing collections for the NAGPRA process, completing NAGPRA documentation.
- 2014- Ongoing collections management for the USU Museum of Anthropology. Provided collections management and training to museum staff, students and volunteers.
- 2007 Archaeological Investigations at the Challis Bison Kill Site, Custer County, Idaho. Provided inventory of archaeological materials from 2007 investigations, prepared collections for temporary curation at the Midwest Archaeological Center.
- 2005 Archaeological Investigations at the Goetz Site, Teton County, Wyoming. Provided inventory of archaeological materials from 2002-2004 investigations, prepared collections for temporary curation at the Midwest Archaeological Center.
- 2002 Faunal analysis of Quartermaster's Dump at Fort Laramie, Wyoming. Provided faunal analysis, write-up of results, prepared collections for curation at the Wyoming Archaeological Repository and Curation Facility.
- 1999 Archaeological Investigations Along the Fall Creek Road, Teton County, Wyoming. Provided lithic analysis, contributed to report production, prepared archaeological materials for curation, accessioned collection to the Archaeological Repository at the Midwest Archaeological Center, Lincoln, Nebraska.
- 1998 Archaeological Investigations at the Cooke House, Edgartown, Massachusetts. Prepared archaeological materials for curation and accessioned collection for the Martha's Vineyard Historical Society.
- 1996 Archaeological Investigations at the Aldrich Farm, Nemaha County, Nebraska. Provided inventory, historic ceramic analysis, report and article production, prepared collection for curation and accessioned collection for the Nebraska State Historical Society.

Exhibition

- 2019 A World Transformed: The Transcontinental Railroad and Utah, USU Libraries. Contributed content and artifact interpretation for the traveling exhibit.
- 2018 Tunnels, Trestles & Track, USU Museum of Anthropology and Gail Griswold Designs. Curated a traveling exhibition on the Chinese Railroad Worker Experience during the completion of the Transcontinental Railroad.
- 2014 Camp Williams Archaeological Interpretive Display Development. Design and construct archaeological displays for two locations for the Utah National Guard.
- 1998 Material Culture of the Cooke House Exhibit, Edgartown, Massachusetts, Martha's Vineyard Historical Society. Developed exhibit of the material culture from the Cooke House archaeological investigations.

K-12 Curriculum Development

2017

1. Archaeology Camp at the Museum of Anthropology. Developed curriculum to introduce 8-14 year olds to archaeological concepts of ancient world civilizations.
2. Anthropology Camp at the Museum of Anthropology. Developed curriculum to introduce 8-14 year olds to the four fields of anthropology.

2016 Archaeology Camp with Stokes Nature Center and the Museum of Anthropology. Developed curriculum to introduce 8-14 year olds to archaeological concepts of ancient world civilizations.

2015 Archaeology Camp with Stokes Nature Center and the Museum of Anthropology. Developed curriculum to introduce 8-14 year olds to archaeological concepts of Native Utah.

1998 Archaeology Camp at the Cooke House, Edgartown, Massachusetts, Martha's Vineyard Historical Society. Developed curriculum to introduce 8-12 years to the concepts of historic archaeology.

Museum/Public Education Presentations

2020

1. AnthroPak, family outreach program initiated during COVID19 pandemic to continue outreach efforts for the USU Museum of Anthropology
2. Water Heritage Anthropological Project Lab for the Native American Summer Mentorship Program at USU

2019

1. Climate -Smart Food Systems from Local to Global. Coordinated community outreach and open house with the Uintah County Heritage Museum and the PEOPLE 3K Working Group
2. Museum of Anthropology Lab for the Native American Summer Mentorship Program at USU
3. Anthropology Whats it to You UPR radio segments

2018

1. Exploring Petra through Objects. USU Summer Citizens Program 1-week course.
2. Spatial Data Collection, Analysis, & Visualization Lab for the Native American Summer Mentorship Program at USU

2017

1. Field guide to Bear River Massacre Site. Co-presentation with Chairman Darren Parry to USU Summer Citizens Program
2. Spatial Data Collection, Analysis, & Visualization Lab for the Native American Summer Mentorship Program at USU

2016-

1. Ongoing coordinator for the Anthropology Lecture Series
2. Ongoing coordinator Family 1st Saturdays at the USU Museum of Anthropology

2013 The Pilling's Figurine. Lecture presented at Hill Air Force Base, Dugway Proving Ground, and Utah National Guard's American Indian Joint Consultation Meeting, Salt Lake City, Utah.

2012

1. The Pilling's Figurine. Lecture presented at the National Park Association's 2012-2013 Winter Lecture Series, Springdale, Utah
2. Assembling a Participatory GIS for the Sand Creek Massacre National Historic Site, Colorado: Integrating Archaeology, History, Ethnography, and Geomorphology for Cultural Landscape Interpretation. Lecture for Quinney College of Natural Resource Seminar, Utah State University, Logan, Utah

Courses Taught

Introduction to Museum Studies (USU-UG)	Museum Development (USU-G/UG)
Geophysics & Archaeology (USU-UG)	North American Archaeology (UNO-G/UG)
GIS and Archaeology (USU-G/UG)	Anthropology of Agriculture (UNO-G/UG)
GIS Applications in the Social Sciences (USU online-UG)	World Prehistory (UNL-UG)
GIS and Anthropology Laboratory (UWYO-G/UG)	Mapping Sciences in the 21st Century (UNL-UG)
Map Introduction (MSC-UG)	Map and Air Photo Interpretation (UNL-UG)
Physical Geography Laboratory (UNL-UG)	

USU: UTAH STATE UNIVERSITY; UNO: UNIVERSITY OF NEBRASKA-OMAHA; UNL: UNIVERSITY OF NEBRASKA-LINCOLN; UWYO: UNIVERSITY OF WYOMING; MSC: METRO STATE COLLEGE, DENVER; G: GRADUATE; UG: UNDERGRADUATE; G/UG: CROSS-LISTED COURSE.

Mentored Student Research

2020

1. Alix Piven, Geophysical Survey at Boundary Village, Utah \$1000 grant for field work from Mountain West Center for Regional Studies, Utah State University
2. Emily Morris, Plan B Creative Graduate Project "A Tale of Two Sandals: An Analysis of Two Sandals from the Gordon Keller Collection"
3. Ellie Thorson, Student Research Symposium Award Winner in the Humanities "An Attraction to Horror: Understanding the Theatrum Crudelitatum Haereticorum Nostri Temporis"

2019

1. Rachel Mann, Honors Capstone "Study of Conservation Techniques for Mold and Museum Management Policy"
2. Benjamin Johnson and Robert Godard, Undergraduate Research & Creative Opportunity "Artifact Authentication Through Collaboration and Advanced Analysis"

2018 RaeAnn Bell, Student Research Symposium Award Winner in the Arts "Exploring the Implications of Authenticity in a Museum Setting: Study of a Utamaro print at the USU Museum of Anthropology"

Mentored Student Collections Management

2021

1. Kaily Cardon and London Johnson, Samoan textile preservation and stabilization
2. Alix Piven, Orlando Guadarrama, Madi Vorkink, Keller Collection accessioning, object documentation and NAGPRA compliance

2020

1. Madi Vorkink and Maize documentation, preservation and stabilization from the Keller Collection

2019

1. Colt Kraczek, Cuneiform tablet documentation
2. Rachel Mann, Collections Plan development
3. Rebecca Ashby and Courtney Christensen, Japanese textiles accessioning
4. Kaily Cardon, Mud cloth accession
5. Rachel Walker, Tapa textile documentation and condition reporting

2018

1. Bethany Wurster and Aaron Larsen, Indian School Murals Condition Report & Inventory

2017

1. Makaela O'Rourke Bud Peterson Collection accessioning

2016

1. Richard Olsen, Bethan Wurster, Brandi Alred, and Amanda Cook Peterson Collection accessioning
2. Kachina Mabey and NEHMA Peruvian/African objects
3. Salina Ramsey Dathan Collection baseket condition reporting
4. Alycia Beckstrand Emergency Response Plan

2015

1. Bridenstine
2. Brandi Alred Tapa, Ute beadwork, Zimbabwe drum and Malawi mask accessioning and documentation

Mentored Student Exhibition

2020

1. "Exploring Ancient Cities: Thebes" by Jisung Lee and Benjamin Johnson
2. "Written in Wool: Dine Weaving" by Joanna Trujillo
3. "Connecting Objects and Hispanic American Literature" co-mentored with Maria de Jesus Cordero and the students of Spanish 3620

2019

1. "Baskets and beadwork of the Great Basin" by Madison Dunn
2. "Exploring Ancient Cities: Petra" by Madison Dunn, Reed Hepler, Thomas Shepard
3. "Batik" by Bria Corry, RaeAnn Bell and

2018

1. "Womens Work" by Madison Dunn and Josie Mythen
2. "Kroy" Reed Hepler and Callie Kitchen
3. "Forensic Anthropology" by Amanda Cook and Savanah Graves
4. "Smemories" by Tess McBride

2017

1. "Working at Archaeology" by RaeAnn Bell and Kachina Mabey
2. "Textiles of Indonesia" by Amanda Cook, Adam Gifford, and Madeline Williams
3. "WWI Aviators and Immigrants" by Tell Joyner, Katlyn Casagrande, and Kachina Mabey
4. "Human Origins" by Katlyn Casagrande

2016

1. "Papua New Guinea" by Prairie Fox and Brandi Allred
2. "World Music" by RaeAnn Bell

2015

1. Hispanic Heritage Month Logan Library by Annie Gamez
2. Greek History co-mentored with Francis Titchner and the students of HIST 3130

Other University Activities

2020- Committee Chair for Budget and Faculty Welfare

2020 Hiring committee member for Geospatial Consortium Director

2019- Faculty Senate Representative for the College of Humanities and Social Sciences

2019 Reviewer for Undergraduate Research & Creative Opportunity Grants

2017 Reviewer for Undergraduate Research & Creative Opportunity Grants

2015 Committee Member, Icons of the Desert-Exhibition Planning for the Nora Eccles Harrison Museum of Art

Other Professional Activities

2020 Peer reviewer for Utah Division of Arts & Museums

2019

1. Co-organizer for the Rocky Mountain Anthropological Conference, Logan, Utah
2. Peer reviewer for American Antiquity
3. Peer reviewer for Advances in Archaeological Practice
4. Peer reviewer for Utah Division of Arts & Museums

2018 Peer reviewer for Advances in Archaeological Practice

2016 Peer reviewer for American Antiquity

2015 Peer reviewer for National Science Foundation

2007-2009 Vice President of Environmental Perception and Behavioral Geography Specialty Group,
Association of American Geographers

2007 Rocky Mountain Anthropological Conference Co-Organizer

2007-2008 University of Nebraska-Lincoln Geography Student Organization-Treasurer

Board Appointments, Honor Societies & Memberships

2021- Governor-appointed board member for Utah State History

2020- Board member for Rocky Mountain Anthropological Association

2017- Board member for Utah Cultural Alliance

2003-2005 Nebraska Association of Professional Archaeologists-Board member

Initiation 2011 Golden Key

Initiation 2002 Phi Kappa Phi

Initiation 2005 Gamma Theta Upsilon

Society for American Archaeology (SAA)

Society for Applied Anthropology (SfAA)

Society for Historic Archaeology (SHA)

Utah Museums Association (UMA)

American Association for the Advancement of Science (AAAS)

American Association of Geographers (AAG)

Environment and Design Research Association (EDRA)

Nebraska Academy of Sciences