

Robert J. Bischoff

PHD CANDIDATE

School of Human Evolution and Social Change

Arizona State University

900 S. Cady Mall, Tempe, AZ 85257

☎ 801 623 7579 | ✉ rbischoff@asu.edu | 🏠 bischrob.github.io | 📧 bischrob | 🌐 rjbischoff | 🐦 bischrob10

Education

Arizona State University

PH.D. ANTHROPOLOGY

In progress

Brigham Young University

M.A. ANTHROPOLOGY – THESIS: A SPATIAL AND TEMPORAL ANALYSIS OF SAN JUAN RED WARE

2018

Brigham Young University

B.A. ANTHROPOLOGY

2015

Utah Valley University

ASSOCIATES – HISTORY AND POLITICAL SCIENCE

2011

Research interests

Southwestern U.S.; social networks analysis; geographic information systems; quantitative methods; data conservation, management, and dissemination; R; 3D modeling; geometric morphometrics; projectile points; ceramics; interaction, migration, and identity.

Publications

Hruschka, Daniel J, Robert **Bischoff**, Matt Peeples, Sharon Hsiao, and Mohamed Sarwat (2022). “CatMapper: A user-friendly tool for integrating data across complex categories”. <https://osf.io/preprints/socarxiv/n6rty/>.

Bischoff, Robert J, Cecilia Padilla-Iglesias, and Claudine Gravel-Miguel (2022). “Evaluating the Effects of Randomness on Missing Data in Archaeological Networks”. In: *Submitted to CAA 2021 Conference: Limassol, Cyprus*. DOI: 10.31235/osf.io/vdy9b. <http://dx.doi.org/10.31235/osf.io/vdy9b>.

Bischoff, Robert J and James R Allison (2022a). “Rosegate Projectile Points in the Fremont Region”. In: *Utah Archaeology (in press)*. DOI: 10.31235/osf.io/dwrba. <http://dx.doi.org/10.31235/osf.io/dwrba>.

Bryce, Joseph A, Spencer F X Lambert, Robert J **Bischoff**, and Brandon Walter (2022). “Period I at Wolf Village”. In: *Utah Archaeology (in press)*.

Bischoff, Robert J and James R Allison (2022b). “Using Nonoptimal or Archival Photographs for Constructing 3D Models”. In: *Proceedings of the 46th Annual Conference on Computer Applications and Quantitative Methods in Archaeology (in press)*. Tübingen University Press.

Lambert, Spencer F X, Joseph A Bryce, and Robert J **Bischoff** (2019). “An Examination of the Use of Birds by the Fremont People”. In: *Journal of California and Great Basin Anthropology* 39.1, pp. 25–41.

Research Experience

RESEARCH ASSISTANT—CATMAPPER—WITH DR. DANIEL HRUSCHKA ASU
5 December 2019-Current

- Selected duties: lead developer for Catmapper.org – R shiny application with Neo4j graph database designed to assist users in translating, merging, and documenting, datasets with various naming ontologies

RESEARCH ASSISTANT—CYBER-SOUTHWEST—WITH DR. MATTHEW PEEPLES ASU
20 May - 13 August 2019

- Assist in data collection and entry for the Cyber-Southwest graph database.

CREW MEMBER—LITTLE BAULLIE MESA CERAMIC SURVEY—WITH DR. JAMES ALLISON • Assist in survey.	BYU 21-25 August 2017
TEACHING ASSISTANT—BRIGHAM YOUNG UNIVERSITY FIELD SCHOOL AT COAL BED VILLAGE—WITH DR. JAMES ALLISON • Manage crew during excavation and survey.	BYU 25 June - 9 August 2018
TEACHING ASSISTANT—HINCKLEY MOUNDS ARCHAEOLOGICAL SURVEY—WITH DR. MICHAEL SEARCY • Manage students during survey.	BYU 12 November 2016
TEACHING ASSISTANT—BRIGHAM YOUNG UNIVERSITY FIELD SCHOOL AT WOLF VILLAGE, UT—WITH DR. MICHAEL SEARCY • Manage crew during excavation and survey.	BYU 26 April - 13 June 2016
TEACHING ASSISTANT—HINCKLEY MOUNDS ARCHAEOLOGICAL SURVEY—WITH DR. MICHAEL SEARCY • Manage students during survey.	BYU 7 November 2015
RESEARCH ASSISTANT—WITH DR. JAMES ALLISON • Selected duties: artifact analysis (primarily lithics), PXRF analysis, GIS, report writing, photography, photogrammetry and other 3D methods.	BYU 2015-2018
CREW MEMBER—BRIGHAM YOUNG UNIVERSITY FIELD SCHOOL AT WOLF VILLAGE, UT—WITH DR. JAMES ALLISON • Assist in excavation and survey.	BYU 22 April - 5 June 2013

Teaching Experience

TEACHING ASSISTANT—ASB 337: PYRAMIDS AND HIEROGLYPHS—WITH DR. JOEL PALKA • Grade assignments and handle correspondence.	ASU 2019
TEACHING ASSISTANT—ASB 335: ANCIENT RUINS OF THE SOUTHWEST—WITH DR. MICHELLE HEGMON • Occasional lecture, grade assignments, and handle correspondence.	ASU 2018-2019
TEACHING ASSISTANT—ASM 345: DISEASE AND HUMAN EVOLUTION—WITH DR. LAURA BIDNER • Grade assignments and handle correspondence.	ASU 2018
TEACHING ASSISTANT—ANTHROPOLOGY 499: SENIOR THESIS—WITH DR. ZACHARY CHASE • Review senior theses and provide comments and feedback.	BYU 2016
TEACHING ASSISTANT—ANTHROPOLOGY 110: INTRODUCTION TO ARCHAEOLOGY—WITH DR. MICHAEL SEARCY • Occasional lecture, grade assignments, and handle correspondence.	BYU 2015-2016

Professional Presentations

Gravel-Miguel, Claudine, Robert J **Bischoff**, and Cecilia Padilla-Iglesias (2021). *An Agent-based Model to Improve Ar-*

chaeological Social Network Reconstructions. Paper presented at the European Archaeological Association meeting, virtual. 2021.

Bischoff, Robert J (2021). *Geometric Morphometric Analysis of Hohokam Projectile Points from the Tonto Basin*. Paper presented at the 86th Annual Meeting of the Society for American Archaeology, virtual. April 15th, 2021.

Padilla-Iglesias, Cecilia, Robert **Bischoff**, and Claudine Gravel-Miguel (2021). *An agent-based model to explore the relationship between archaeological assemblages, past social networks and cultural dynamics*. Paper presented at the 86th Annual Meeting of the Society for American Archaeology, virtual. April 17th, 2021.

Mills, Barbara J, Jeffery J Clark, Scott Ortman, Matthew A Peeples, Sudha Ram, William H Doelle, Leslie Aragon, Kendall Baller, Robert **Bischoff**, Zach Cooper, Faiz Currim, Kaitlyn Davis, Fan Dong, Rebecca Harkness, Evan Giomi, Kelsey Hanson, Yuanxia Li, Andre Takagi, and Joshua Watts (2020). *Creating a Space for Collaborative Synthesis: The cyberSW Project*. Paper presented at the 2020 Southwest Symposium, Phoenix, AZ. January 31, 2020.

Bischoff, Robert and Matthew A Peeples (2020). *Measuring Distances for Southwest Ceramic Circulation and Exchange*. Poster presented at the 2020 Southwest Symposium, Phoenix, AZ. January 31-February 1, 2020.

Bischoff, Robert J (2017a). *Moving Forward with Digital Databases: Current Opinions and Potential Solutions*. Paper presented at the 2017 Computer Applications & Quantitative Methods in Archaeology Conference, Atlanta, GA. March 15, 2017.

Bischoff, Robert J (2014a). *Wolf Village: Trade Fairs and Communal Structures at a Fremont Village*. Paper presented at the 2014 Utah Conference on Undergraduate Research, Provo, Utah. February 28, 2014.

Bischoff, Robert J (2014b). *Structure 2, Wolf Village: Ceremonial Burial of a Communal Structure*. Poster presented at the 2014 Mary Lou Fulton Mentored Research Conference, Provo, UT. April 10, 2014.

Bischoff, Robert J (2016a). *Projectile Points of Wolf Village*. Paper presented at the 2016 Utah Professional Archaeological Council Winter Meeting, Salt Lake City, Utah. March 4, 2016.

Bischoff, Robert J (2016b). *Rosegate to Side-notched: A Reevaluation of Fremont Projectile Point Chronology*. Paper presented at the 2016 Pecos Conference, Alpine, AZ. August 8, 2016.

Bischoff, Robert J (2016c). *Rosegate in Utah Valley: Reconsidering the End of Rosegate Production*. Paper presented at the 2016 Great Basin Anthropological Conference, Reno, NV. October 7, 2016.

Bischoff, Robert J and Matthew A Peeples (2019). *How Far Were Ceramics Really Circulated?* Paper presented at the 2019 Arizona Archaeological Council Fall Conference, Phoenix, AZ. November 8, 2019.

Lambert, Spencer F X, Robert J **Bischoff**, and Joseph A Bryce (2017). *Feathered Fauna: A Look at Bird Usage among the Fremont*. Paper presented at the 82nd Annual Meeting of the Society for American Archaeology, Vancouver, BC. March 31, 2017.

Bischoff, Robert J (2017b). *A Spatial Analysis of San Juan Red Ware: Evaluating Fall-off Curves with Straight-line or Least Cost Path Distance*. Poster presented at the 82nd Annual Meeting of the Society for American Archaeology, Vancouver, BC. March 31, 2017.

Bischoff, Robert J (2017c). *Evaluating Fall-off Curves with Straight-line or Least Cost Path Distance*. Poster presented at the 2017 Mary Lou Fulton Mentored Research Conference, Provo, UT. April 13, 2017.

Bischoff, Robert J and Joseph A Bryce (2018). *Getting the Right Impression: Using 3D Models to Investigate Impressions of Perishable Artifacts*. Poster presented at the 16th Biennial Southwest Symposium, Denver, CO. January 5, 2018.

Bischoff, Robert J and James R Allison (2018). *Bad Photogrammetry: Using Suboptimal or Archival Photographs for Constructing 3D Models*. Paper presented at the 2018 Computer Applications and Quantitative Methods in Archaeology International Conference, Tübingen, Germany. March 20, 2018.

Bischoff, Robert J (2018). *An Examination of the Role of San Juan Red Ware Vessels in Social Interaction*. Paper presented at the 83rd Annual Meeting of the Society for American Archaeology, Washington, DC. April 13, 2018.

Bischoff, Robert J (2019). *San Juan Red Ware Distribution Patterns and Social Networks in Southeastern Utah*. Paper presented at the 84th Annual Meeting of the Society for American Archaeology, Albuquerque, NM. April 13, 2019.

Lambert, Spencer X F, Joseph A Bryce, and Robert J **Bischoff** (2016). *An Analysis of the Early Occupation of Wolf Village*. Paper presented at the 2016 Great Basin Anthropological Conference, Reno, NV. October 7, 2016.

Public Presentations

Bischoff, Robert J (2020). *San Juan Red Ware and Social Networks Across the Southwest*. Webinar sponsored by the Hisatsinom Chapter of the Colorado Archaeological Society and Crow Canyon. October 22, 2020. <https://youtu.be/570kCW1-9N8>.

Bischoff, Robert J (2016). *Rosegate Projectile Points*. Presentation given at the October 2016 Utah Statewide Archaeological Society Utah Valley Chapter meeting, Provo, Utah. October 13, 2016.

Bischoff, Robert J (2017). *Modeling 3D Artifacts*. Presentation given at the November 2017 Utah Statewide Archaeological Society Utah Valley Chapter meeting, Provo, Utah. November 16, 2017.

Bischoff, Robert J (2018). *3D Modeling in Archaeology*. Presentation given at the February 2018 Utah Statewide Archaeological Society Utah Valley Chapter meeting, Lehi, Utah. February 15, 2018.

Professional Memberships

ARIZONA ARCHAEOLOGICAL AND HISTORICAL SOCIETY	2022-Current
REGISTER OF PROFESSIONAL ARCHAEOLOGISTS	2019-Current
ARIZONA ARCHAEOLOGICAL COUNCIL	2019-Current
CAA INTERNATIONAL	2017-Current
UTAH PROFESSIONAL ARCHAEOLOGICAL COUNCIL	2016-Current
SOCIETY FOR AMERICAN ARCHAEOLOGY	2015-Current

Professional Development

Neo4j

CERTIFIED NEO4J PROFESSIONAL 2019

National Center for Preservation Technology and Training

ADVANCED 3-D IMAGING AND MORPHOMETRICS FOR ARCHEOLOGY Tucson, AZ

15-18 October 2018

International Summer School at Kiel University

MODELLING SPHERES OF INTERACTION Kiel, Germany

5-9 September 2016

Grants

Graduate and Professional Student Association – at ASU

RESEARCH GRANT FOR DISSERTATION \$2,000

2022

Graduate College, Arizona State University

GRANT TO VIRTUALLY ATTEND SAA CONFERENCE \$95

March 2021

Graduate and Professional Student Association – at ASU

TRAVEL GRANT TO ATTEND SAA ANNUAL MEETING IN ALBUQUERQUE, NM \$667

April 2019

School of Human Evolution and Social Change, ASU

GRANT TO ATTEND THE ADVANCED 3-D IMAGING AND MORPHOMETRICS FOR \$410

ARCHEOLOGY WORKSHOP SPONSORED BY THE NCPTT September 2018

Department of Anthropology, BYU

TRAVEL GRANT TO ATTEND SAA ANNUAL MEETING IN WASHINGTON, D.C. \$1,160

April 2018

CAA International

TRAVEL GRANT TO ATTEND CAA CONFERENCE IN TUBINGEN, GERMANY \$583

March 2018

Department of Anthropology, BYU

TRAVEL GRANT TO ATTEND SOUTHWEST SYMPOSIUM IN DENVER, CO \$184

January 2018

Department of Anthropology, BYU TRAVEL GRANT TO ATTEND BIENNIAL CONFERENCE ON SCIENCE AND MANAGEMENT ON THE COLORADO PLATEAU FLAGSTAFF, AZ	\$250 <i>September 2017</i>
Department of Anthropology, BYU TRAVEL GRANT TO ATTEND SAA ANNUAL MEETING IN VANCOUVER, BC	\$500 <i>March 2017</i>
College of Family Home and Social Sciences, BYU TRAVEL GRANT TO ATTEND CAA CONFERENCE IN ATLANTA, GA	\$1,000 <i>March 2017</i>
College of Family Home and Social Sciences, BYU TRAVEL GRANT TO ATTEND SAA ANNUAL MEETING IN VANCOUVER, BC	\$580 <i>March 2017</i>
Department of Anthropology, BYU TRAVEL GRANT TO ATTEND CAA CONFERENCE IN ATLANTA, GA	\$1,287 <i>March 2017</i>
Department of Anthropology, BYU TRAVEL GRANT TO ATTEND GREAT BASIN ANNUAL CONFERENCE IN RENO, NV	\$229 <i>October 2016</i>
Department of Anthropology, BYU PROFESSIONAL DEVELOPMENT GRANT TO ATTEND MOSAIC SUMMER WORKSHOP IN KIEL, GERMANY	\$1,518 <i>September 2016</i>
Department of Anthropology, BYU TRAVEL GRANT TO ATTEND SAA ANNUAL MEETING IN ORLANDO, FL	\$1,300 <i>April 2016</i>
Department of Anthropology, BYU TRAVEL GRANT TO ATTEND SOUTHWEST SYMPOSIUM IN TUCSON, AZ	\$270 <i>January 2016</i>

Awards

- 2016 Cordell-Powers prize for extemporaneous talk at 2016 Pecos Conference,
Honorable Mention, \$100.