

Curriculum Vitae

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EDUCATION

Master of Science, Public Archaeology, University of New Mexico, 2013.

Thesis title: "Interpreting Ancestral Puebloan Settlement Patterns and Spatial Discontinuities Through the Use of Archaeological Predictive Modeling: An Example from the Northern Rio Puerco Basin in Northwestern New Mexico."

Bachelor of Arts, Journalism & Mass Communication. University of New Mexico, 2005

Minor in anthropology.

EXPERIENCE

- **GIS Analyst**, University of New Mexico Office of Contract Archeology, September 2014-present
 - Facilitate GPS and EDM field data collection for inclusion in geospatial databases.
 - Process GIS data for spatial analysis, cartography, and report production.
 - Develop and maintain data dictionaries and improve spatial data collection processes.
- **GIS Analyst**, University of New Mexico Earth Data Analysis Center, November 2013-September 2014
 - Authored metadata for spatial datasets, georeferenced scanned map images, and digitized paper maps.
 - Designed and developed geodatabases based on customer requirements.
 - Developed web-based map portals and produced cartographic products and reports.
 - Used a variety of ArcGIS 10.x and other spatial analyst tools for reporting and data analysis.
 - Developed proposals, contracts, and outlined project deliverables and timelines. Acted as lead for a variety of GIS projects for customers.
- **Archaeological Field Technician**, University of New Mexico, June 2013-July 2013
 - Six week excavation project at Chaco Canyon.
 - Assisted with excavations at Room 28 in Pueblo Bonito.
 - Used Topcon total station to record room dimensions and other information for use in reports.
 - Used Trimble handheld GPS system along with ArcPad to record site assessment information, including site and feature location, dimensions, and other survey data.
- **Archaeological Technician**, Bureau of Land Management, May 2012-October 2013
 - Wrote cultural resource reports for environmental assessments.
 - Used Python, ArcGIS 10.x ModelBuilder, Windows scripts, and other tools to develop GIS analysis and reporting tools for statewide BLM usage.

- Developed predictive models for a portion of BLM land in Northern New Mexico that could be used to design more efficient and effective archaeological survey strategies.
 - Produced maps in ArcGIS 10.x for study areas, environmental assessment reports, and pre-field record checks.
 - Designed survey and site assessment strategies using ArcGIS 10.x, aerial photography, and both paper based and digital archaeological records.
 - Field work included survey, mapping, relocating, and recording of cultural resources, including ceramic and lithic assemblages, structural sites, and multi-component sites in New Mexico.
- **Archaeology Crew Member**, University of New Mexico Office of Contract Archeology, 2012-2014.
 - Performed on-call fieldwork in New Mexico.
 - **Project Assistant**, University of New Mexico Office of Contract Archeology, January 2012-August 2012, (hours varied according to school schedule)
 - Performed on-call fieldwork and lab work in New Mexico
 - January 2012: Assisted with excavations in southern New Mexico

RESEARCH INTERESTS

- Spatial analysis and statistics, archaeological modeling.
- Geospatial data collection processes, data collection hardware and software.
- Pre-contact archaeology of the Southwestern US, particularly the San Juan Basin in Northwestern NM.

OTHER EXPERIENCE

- June 2011: Archaeological Field School, University of New Mexico
- October 2012: Attended joint BLM\New Mexico Archaeological Council Dinetah Archaeology Workshop.
- April 2013: Attended Advanced Section 106 Workshop in Santa Fe, NM.

PROFESSIONAL PRESENTATIONS

- **GeCo in the Rockies**, Grand Junction, CO, September 2014: Presented on developing web-based mapping applications using ArcGIS API for JavaScript and open-source software.
- **Society for American Archaeology**, Austin, TX, April 2014: Presented poster on MS thesis including updated research.
- **GeCo West**, Laramie, WY, September 2013: Presented research on MS thesis.

MEMBERSHIPS

- Society for American Archaeology, 2010-present
- Albuquerque Archaeology Society 2012-present
- New Mexico Geographic Information Council: 2014-present