

## *Curriculum Vitae*

### **Scott A. Gunn, M.S., RPA**

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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 Dineta 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