GREGORY GERARD LUNA GOLYA

814.933.9408 ♦ lunagolya@gmail.com

Archaeologist/ Geographic Information Systems Specialist

Ph.D candidate with a broad range of research, GPS and GIS skills covering data collection, processing, management, analysis and presentation. Utilize up-to-date hardware and software technologies to process and analyze spatial data. Crew leader for 4 years of archeological surveys and excavation projects. Collect, record and interpret archeological data. Exemplary organization and analytical skills.

EDUCATION

Ph.D, Anthropology, Penn State University, University Park, PA, Expected: 12/2013
Bachelor of Science with High Distinction, Geography Marshal, (Geography/GIS), Penn State University, University Park, PA, 2001
Master of Arts, Anthropology, University of California, Santa Barbara, CA, 1995
Bachelor of Arts with High Honors, Anthropology, University of California, Santa Barbara, CA, 1989

Research Focus: Landscape Archeology, Agricultural Systems, Spatial Analysis/Statistics, Geographic Information Systems (GIS), Mesoamerica, Southwest US.

Ph.D Thesis: Modeling the Aztec Agricultural Waterscape of Lake Xochimilco: A GIS Analysis of Lakebed Chinampas and Settlement.

ARCHAEOLOGY & GIS EXPERIENCE

Archeological Technician (GS-7), NPS, Petrified Forest National Park, AZ **2013**
Crew chief for archeological survey and other cultural resource management activities at Petrified Forest National Park.

Research Assistant, Penn State Anthropology Department, State College, PA **2012 to Present**
Assistant to the Editor for Ancient Mesoamerica, an international journal on method, theory, substance and interpretation of Meosamerican archaeology, art history and ethnohistory.

Archeologist, Rue Environmental LLC, Towanda, PA **2013**
Archeologist for the excavation of shovel test pits (STPs) for a 5.4 acre wetland mitigation tract.

Anthropology Instructor, Penn State World Campus (online) **2011-2013**
Introduction to Cultural Anthropology

Archeological Technician (GS-7), NPS, Canyon de Chelly National Monument, AZ **2012**
Crew chief for archeological survey, site monitoring, site condition assessment and other cultural resource management activities at Canyon de Chelly National Monument.

Archeologist, Rue Environmental LLC, Towanda, PA **2011**
Crew chief for Phase I survey along a proposed natural gas line corridor.

Archeological Technician (GS-5), NPS, Canyon de Chelly National Monument, AZ **2010**
Crew member for archeological survey, site monitoring, site condition assessment and other cultural resource management activities at Canyon de Chelly National Monument.

Senior Research Technologist (GIS), Penn State Land Analysis Lab, State College, PA **2002-2005**
GIS data production and management for the Pennsylvania Farmland Preservation Program (40%). GIS data production, analysis, management and cartographic production for the Centre County Planning Department (40%). GIS and cartographic support for soils and web-based projects for the Penn State Land Analysis Lab (20%).

Archeologist, New World Archaeological Foundation, Soconusco, Chiapas, Mexico. **2004**
Crew chief for excavations at the site of Canton Corralito in the study of the presence of an Early Formative Olmec enclave in the Mazatan region.

Archeologist, California Department of Transportation, Central California Valley **2001-2002**
Archeologist and field director for Phase I and Phase II archeological compliance projects in California's Central Valley for the state transportation department.

Archeologist, Four Corners Region, US **1994-1998**
Archeologist for NPS, BLM, and Soil Systems, Inc. for excavation and survey projects in Four Corners region.

REPORTS & PRESENTATIONS

Modeling Aztec Lakebed Chinampas and Settlement in Lake Xochimilco. Poster presented at the Society for American Archaeology 78th Annual Meeting of the Society for American Archaeology, April 3-7, 2013, Honolulu, HI.

Vestiges of an ancient agricultural landscape captured in historic air photos: Modeling Aztec raised fields and settlement on Lake Xochimilco in the Basin of Mexico. Paper presented at the No Boundaries Interdisciplinary Student Conference. March 23, 2013, University Park, PA.

Modeling the Aztec Agricultural Waterscape of Lakes Xochimilco and Chalco using GIS: Bridging the Gap to Ethnographic Chinampa Systems of Central Mexico. Paper presented at the Theoretical Archaeology Group (TAG) Annual USA Meetings, May 19, 2012, Buffalo, New York.

Methodology: Building the Basin of Mexico GIS Database. Ken Hirth, Gregory Luna, Peter van Rossum. Pennsylvania State University, University Park. Report for National Science Foundation Grant 0609926. Accepted 2009.

Chinampa fields or open lake? Spatial analyses of Aztec period archaeology of Chalco-Xochimilco lakebeds, Southern Basin of Mexico. Paper presented at the Society for American Archaeology 73rd Annual Meeting of the Society for American Archaeology, March 26-30, 2008, Vancouver, BC, CA.

Proyecto Arqueológico Cantón Corralito, Chiapas, México: Temporada 2004. Informe presentado al Instituto Nacional de Antropología e Historia (INAH) por David Cheetham, John E. Clark, Gregory Luna, Terry G. Powis, Tomás Pérez Suárez, Artemio Villatoro Alvarado, Juan Carlos López Espinosa. Accepted 2007.

Counting the Prehistoric Maya: A New Approach for Estimating Late/Terminal Classic Population at La Milpa, Belize. Poster presented at the Society for American Archaeology 71st Annual Meeting, April 26-30, 2006, San Juan, Puerto Rico.

Regional Settlement Data and Spatial Patterning in the Middle Formative Southern Valley of Mexico: Old and New Approaches. Paper presented at the Society for American Archaeology 70th Annual Meeting, March 30-April 3, 2005, Salt Lake City, Utah.

Analyzing Formative Period Settlement in the Basin of Mexico: An Archaeological Application of GIS and Multiscalar Spatial Statistics. Poster presented at the 24th Annual ESRI International User Conference, Map Gallery, August 9-13, 2004, San Diego, California.

SKILLS & TRAINING

Section 106 training (Cultural Resources Protection legislation).
National Park Service ATV (All Terrain Vehicle) operation training.
GPS (Global Position Systems) experience: Recreational, resource, and survey grade units.
Professional level experience: ESRI ArcMap software versions 3.1 to 10.1.
Digital photography for archaeological work and as a hobby: http://www.cacaomoon.com