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EDUCATION

- Ph.D., Anthropology** 2013
University of Texas at San Antonio, San Antonio, Texas - Dissertation Title: Clovis Mobility at the Gault Site: A Chert Provenance Study Using Laser Ablation - Inductively Coupled Plasma - Mass Spectrometry.
- M.A., Anthropology** 2006
University of Texas at San Antonio, San Antonio, Texas - Thesis Title: The Mechanical Effects of Thermal Alteration on Edward's Chert and Archaeological Applications.
- B.A., Anthropology** 2003
University of Texas at San Antonio, San Antonio, Texas.

PEER REVIEWED PUBLICATIONS

- Speer, Charles A., 2014. "LA-ICP-MS analysis of Clovis period projectile points from the Gault Site." *Journal of Archaeological Science* 52: 1-11.
- Speer, Charles A. 2014 "Experimental sourcing of Edwards Plateau chert using LA-ICP-MS." *Quaternary International* 342:199-213.
- Speer, Charles A. 2010 "Understanding the effects of heat treatment on Edwards Plateau chert." *Ethnoarchaeology: Journal of Archaeological, Ethnographic, and Experimental Studies* 2(2):153-172.

PUBLICATIONS IN REVIEW

- Speer, Charles A. 2015 "A Comparison of Instrumental Techniques at Differentiating Outcrops of Edwards Plateau Chert at the Local Scale." *Journal of Archaeological Science Reports*, Special Issue 14pp.
- Speer, Charles A. & Ryan M. Parish (editors), 2015 "Case Studies in Chert Sourcing and Identification" *Journal of Archaeological Science Reports*, Special Issue.

SELECTED TECHNICAL REPORTS

- Figueroa, Antonia L., Ulrich, Kristi M., Caran, S. Christopher, and Speer, Charles A. 2006 "Intensive Pedestrian Survey along the Banks of the San Antonio River." Archaeological Report, No. 371. Center for Archaeological Research at the University of Texas at San Antonio, 98 pp.
- Speer, Charles A. 2004 "Beneath the "Stone House" Mission San Jose (41BX3), Bexar County, Texas." Cultural Resource Series 2. National Park Service, San Antonio Missions National Historical Park, 37pp.

PROFESSIONAL PRESENTATIONS

- Speer, Charles A. and Parish, Ryan M., Symposium, Co-Organizer and Co-Chair at 80th Annual Society for American Archaeology Meetings; San Francisco, California, April 15-19, 2015. Symposium Title: Case Studies in Chert Sourcing and Identification.
- Speer, Charles A., Paper Presentation at 80th Annual Society for American Archaeology Meetings; San Francisco, California, April 15-19, 2015; Title: A Comparison of the Effectiveness of Instrumental Techniques at Differentiating Outcrops of Edwards Plateau Chert at the Hyper-Local Scale.
- Collins, Michael B. and Speer, Charles A., Paper Presentation at 72nd Annual Plains Anthropological Conference; Fayetteville, Arkansas, October 29 - November 1, 2014; Title: Specialized Versus Generic Approaches to Chipped Stone Projectile Point Production in the Prehistoric Record of Central Texas, 13,500 to 300 B.P..
- Speer, Charles A., Paper Presentation at 85th Annual Meeting of the Texas Archaeological Society; San Marcos, Texas, October 24-26, 2014; Title: Precision Control in Knapping Experiments.

- Speer, Charles A., Poster Presentation at 79th Annual Society for American Archaeology Meetings; Austin, Texas, April 23-27, 2014; Title: LA-ICP-MS Sourcing of 33 Clovis Projectile Points from the Gault Site (41BL323), Salado, Texas.
- Speer, Charles A., Poster Presentation at Paleoamerican Odyssey: A Conference Focused on First Americans Archaeology; Santa Fe, New Mexico, October 17-19, 2013. Title: Source Determination of Edwards Plateau Chert Using LA-ICP-MS.
- Speer, Charles A., Paper Presentation at 83rd Annual Meeting of the Texas Archaeological Society; Tyler, Texas, October 25-28, 2012. Title: Source Determination of 33 Clovis Projectile Points Using Laser Ablation - Inductively Coupled Plasma - Mass Spectrometry (LA-ICP-MS).
- Parish, Ryan M. and Speer, Charles A., Symposium, Co-Organizer and Co-Chair at 77th Annual Society for American Archaeology Meetings; Memphis, Tennessee, April 18-22, 2012. Symposium Title: Chert Sourcing: Methods, Techniques, and Applications.
- Speer, Charles A., Paper Presentation at 77th Annual Society for American Archaeology Meetings; Memphis, Tennessee, April 18-22, 2012. Title: Investigation of the Edwards Plateau Chert Resources using LA-ICP-MS.
- Speer, Charles A., Poster Presentation at 76th Annual Society for American Archaeology Meetings; Sacramento, California, March 30 - April 3, 2011. Title: Using LA-ICP-MS to Characterize Clovis Artifacts at the Gault Site.
- Speer, Charles A., Poster Presentation at 75th Annual Society for American Archaeology Meetings; St. Louis, Missouri, April 14-18, 2010. Title: Understanding the Effects of Heat Treating on Edwards Plateau Chert.

APPOINTMENTS

Assistant Professor *2015 to present*

Department of Anthropology at Idaho State University, Pocatello, Idaho – Paleoindian studies, lithic technology, experimental archaeology, field methods, and interdisciplinary research investigating research topics related to earliest peoples of the New World.

Post-Doctoral Research Associate *2013 to 2015*

The Gault Archaeological Project at Texas State University, San Marcos, Texas – Interdisciplinary research investigating research topics related to earliest peoples in the Western Hemisphere and their cultural antecedents.

Lecturer I *2009 to 2012*

University of Texas at San Antonio, San Antonio, Texas - Taught introductory archaeology and anthropology classes.

Master Teaching Fellow *2008 to 2009*

University of Texas at San Antonio, San Antonio, Texas - Performed a number of teaching and mentoring related tasks, such as: TA training, focus groups, microteaching sessions, and observations in several departments. Worked on teaching related projects within the Teaching and Learning Center to improve and engage faculty teaching skills and support the university's teaching mission

Teaching Assistant *2007*

University of Texas at San Antonio, San Antonio, Texas - Assisted with two sessions of introductory anthropology with emphasis on four-field approach in anthropology.

Research Scientist Associate II *2004 to 2007*

Center for Archaeological Research, UTSA, San Antonio, Texas – Support for archaeological investigations in Texas and surrounding areas. Cultural resource management; supervised and trained volunteers, interns, and other employees on numerous archaeological projects. Some report writing and collaboration.

INVITED WORKSHOPS

- Provost's Academy, University of Texas at San Antonio, Institute of Texan Cultures, 2009 to 2011 - Venue for faculty to encourage cross-disciplinary research and teaching. Presented workshop for three consecutive years on "Teaching Technology and Millennials". This focused on using technology to improve pedagogy.
- Celebrating Authentic Learning, Arctic Lilly Institute on Innovations and Excellence in Teaching, Fairbanks, Alaska, 2009 - Presented several "Teaching Technology in the Classroom" workshops. Learned traditional hunter-gatherer skills from Yu'pik elders following classroom workshops.

GRANTS AND SCHOLARSHIPS

- Major Research Instrument Grant, National Science Foundation, PI Martha K. Spradley, Co-PI Michael Collins, and Co-PI Charles Speer, resubmission 12/15/14 – \$497,975 - denied
- Senior Research Grant, National Science Foundation, PI Charles Speer, Co-PI Robert Lassen, 07/15/14 – \$131,160 - denied
- Major Research Instrument Grant, National Science Foundation, PI Martha K. Spradley, Co-PI Michael Collins, and Co-PI Charles Speer, submitted 1/20/14 – \$411,825 – denied
- Senior Research Grant, National Science Foundation, PI Charles Speer, submitted 12/15/13 – \$97,011 – denied
- Presidential Dissertation Fellowship, University of Texas at San Antonio, 2012 - \$2,000
- Doctoral Dissertation Improvement Grant, National Science Foundation, PI Robert Hard and Co-PI Charles Speer, 2012 to 2013 - \$19,435
- Small Grants for Doctoral Research in Anthropology, University of Texas at San Antonio, 2012 - \$491
- Graduate Thesis Scholarship, University of Texas at San Antonio, 2012 - \$500
- Doctoral Travel Grant, University of Texas at San Antonio, 2012 - \$750
- Small Grants for Doctoral Research in Anthropology, University of Texas at San Antonio, 2011 - \$500
- Doctoral Travel Grant, University of Texas at San Antonio, 2011 - \$750
- Doctoral Travel Grant, University of Texas at San Antonio, 2010 - \$750
- Master Teaching Fellowship, University of Texas at San Antonio, 2008 to 2009 - \$25,000
- Richard E. W. Adams Research Scholarship, University of Texas at San Antonio, 2008 - \$3,000
- Doctoral Fellowship, University of Texas at San Antonio, 2007 - \$10,000

PROFESSIONAL ORGANIZATIONS

- Society for American Archaeology, 2000-present
- Texas Archaeological Society, 2002-present
- Lambda Alpha - Anthropology Honor Society, 2003-2013
- Graduate Student Association, 2004-2013
- Southern Texas Archaeological Association, 2005-present
- Idaho Archaeological Society, 2015 - present

TECHNICAL SKILLS

- Expert in operation and maintenance of New Wave Research Laser Ablation units UP-213 & UP-266, and Varian quadrupole Inductively Coupled Plasma - Mass Spectrometer (ICP-MS). Trained at the Field Museum of Natural History, Chicago, Illinois.
- Expert in operation of Costech Elemental Analyzer, ThermoFinnigan DeltaPlus XP stable isotope ratio mass spectrometer (IRMS), and Clark Vickers Micro-hardness Tester HV-1000. Trained at the University of Texas at San Antonio.
- Expert in applied multivariate quantitative statistics as well as statistical software programs: SPSS, SAS, and PAST.
- Expert at stone tool replication using traditional methods and techniques. Range of proficiency includes: European Upper Paleolithic, North American Paleoindian, Southern Plains Archaic, and Texas Prehistoric.

FIELD EXPERIENCE

- Blue Highways Project, Shinfa, Ethiopia. Lithic technology consultant on Middle Stone Age sites. Ongoing project led by John Kappelman of the University of Texas at Austin. My role included survey, excavation, stone tool analysis, survey and collection of geologic samples for experimental archaeology, and replication of artifacts using traditional flintknapping methods; 2011.
- Charazani Proyecto Arqueológico, Cordillera Apolobamba, Bolivia. Lithic technology consultant on Inka Period sites. Ongoing project led by Sonia Alconini of the University of Texas at San Antonio. My role included survey, excavation, and stone tool analysis; 2008.
- Intensive Pedestrian Survey along the Banks of the San Antonio River: Museum "Urban" Reach Section of the San Antonio River Improvements Project, Bexar County, Texas 2006.
- Archaeological Testing at 41BP679, Bastrop County, Texas 2006.
- Archeological Survey Report of FM 536 Improvements Project near Floresville, Wilson County, Texas 2006.
- Culebra Creek Survey Project, 2005.
- Archeological Reconnaissance of the Starkey-Saner Mill, 41KR130, Kerr County 2005.
- Pedestrian Survey and National Register of Historic Places Eligibility Testing of Sites within a Proposed Detention Facility in Webb County, Texas 2005.
- Intensive Pedestrian Survey of Three Tracts to be impacted by the Planned Expansion of the San Antonio International Airport, Bexar County, Texas 2005.
- Archaeological Survey of 1604 Expansion for TXDOT in San Antonio, Bexar County Texas 2005.
- Archaeological Survey of the Naegelin Tract (41BX1600) in San Antonio, Bexar County, Texas 2005.
- Archeological Survey of Loop 410 Improvements Project, City of San Antonio, Bexar County, Texas 2005.
- Phase I Archaeological Survey of a 10-acre Habit for Humanity Tract in Laredo Webb County, Texas 2005.
- Choke Canyon Reservoir Cataloging Project for Bureau of Reclamation, 2004-2006.
- Archaeological Survey of the Proposed Medina River Park, Bexar County, Texas 2004.
- Archaeological Survey for the Proposed Salado Creek Hike and Bike Trail, City of San Antonio, Bexar County, Texas 2004.
- Archaeological Testing of Sites 41GD113 and 41GD114 in Goliad County, Texas 2004.
- Archaeological Survey of NPS/SAMNHP Property Acquisitions Project 2003.
- Archaeological Survey for NPS Boundary Relocation Project, 2003.
- Preliminary Survey of Evant / Brooks Ranch, Coryell County, Texas 2002. Catalogued and analyzed over 3500 projectile points ranging from historic to Paleoindian.

VOLUNTEER WORK

Exhibit Development

2010

University of Texas at Austin, Austin, Texas - Developed all materials for permanent exhibit at the University of Texas at Austin entitled: "First Texans". Consisted of replication of 30 projectile points ranging from Paleoindian to Late Prehistoric periods, an atlatl, a self-bow, a bowstring, a fiber sandal, a fletched cane dart with hafted Folsom projectile point, and a fletched cane arrow with hafted Perdiz projectile point. Images available on request.

Founder and President

2008 to 2013

Ancient Skills Group, San Antonio, Texas - A group that I formed at the University of Texas at San Antonio that practices various experimental archaeology skill sets. These included: flintknapping, primitive pottery, fiber arts, bone and wood working with stone tools, fishing technology, and primitive fire-making. The group had a semester high membership of 42 students (both graduate and undergraduate).

Archaeologist

2005 to Present

I have volunteered many hours of service for raising public archaeological awareness of the need to protect cultural resources and participated in many investigations and excavations of threatened sites for the Southern Texas Archaeological Association and the Texas Archaeological Society. Presented on stone tools and provided flintknapping demonstrations during archaeology days and fairs for many organizations. These include but are not limited to: Southern Texas Archaeological Association, Texas Archaeology Society, San Antonio Missions National Historic Park, and the Institute of Texan