

AREAS OF EXPERTISE

Geoarchaeology, Site Formation Processes, Lithic Analysis, American Southwest Archaeology

EDUCATION

ABD University of Washington – Seattle, WA. Anthropology. Dissertation: Communities of Stone: Identifying Kin-Based Exchange among Marginalized Puebloans A.D. 1275 –1450.

M.A. University of Washington - Seattle, WA, 2001. Anthropology. GPA – 3.9. Posted highest score to date on Anthropology Department's Archaeology Comprehensive Exam (2001).

B.S. Southern Methodist University - Dallas, TX, 1999. Anthropology/Geology. GPA - 3.82 (3.9 in major). Graduated *magna cum laude*. Phi Beta Kappa (1999), Edward Frye Award for Outstanding Achievement in Anthropology (1998), Presidents List (1995 – 1999), Honors College (1997-1999).

HIGHER EDUCATION WORK EXPERIENCE

Houston Community College, Houston, TX

- *Honors College Director*. Administered Central College's Honors College. Developed curricula, schedules, internships, extra-curricular programs, and international travel events for 50 scholars per year. (2017-present)
- *Professor*. Created new Physical Anthropology, Introduction to Archaeology lecture courses and introduced a new Physical Anthropology laboratory. Co-developed and published Physical Anthropology Lab Manual. Organized new Anthropology Club. Established tutoring program for Physical Anthropology students. Student evaluation of instructor performance: 4.8/5. (2010–present)
- *Program Coordinator*. Organized and assessed anthropology curriculum throughout the college system. Prepared compliance reports for accrediting agencies, organized and implemented professional development for faculty. (2013-2017)

Lone Star College Cy-Fair, Cypress, TX

- *Adjunct Instructor*. Designed and implemented both online and in-person versions of Introduction to Cultural Anthropology and General Anthropology. Developed materials, programs, and activities for newly established Anthropology Club. Student evaluation of instructor performance 4.9/5. (2010–2012)

Arizona State University, Tempe, AZ

- *Adjunct Professor*. Designed and implemented both online and in-class version of Prehistory of the Southwest course. Organized student excavations of Pueblo Grande site in downtown Phoenix. Student evaluation of instructor performance 9.8/10. (2008–2012)

Mesa Community College, Mesa, AZ

- *Adjunct Professor*. Instructed both Old World and New World archaeology courses with a focus on hands-on activities and interactive learning. Student evaluation of instructor performance. Created and developed two original courses: Native Americans of the Southwest and Anthropology of Sport, both of which integrated cultural anthropology and archaeology. Developed Study Abroad Program in Jordan. Student evaluation of instructor performance 4.6/5. (2005-present)

University of Washington, Seattle, WA

- *Pre-doctoral Instructor*. Redesigned and implemented introductory archaeology course, instructing students in all aspects of archaeology and exposing them to theoretical and methodological issues of

numerous forms of material analysis. Designed and conducted laboratory sessions, including lithic, faunal, and metal analysis. Student evaluation score of instructor performance: 4.8/5. (2002-2004)

Center for Learning and Undergraduate Enrichment, Seattle, WA

- *Consultant.* Responsible for organizing and supervising tutoring/discussion groups with students of ARCHY 105 (World Prehistory). Provided students of large class with a small college atmosphere that enabled them to excel in the regular class sessions. (2004)

Harvard University, Cambridge, MA

- *Guest Lecturer.* Designed and instructed Archaeology of the American Southwest course (A1203). Student evaluation of instructor performance 9.8/10. (2004)

NSF Grades K-12 Mathematics Curriculum Improvement Program, Seattle, WA

- *Fellow.* Created and implemented focused, inquiry based math curricula for four different elementary teachers across three grade levels. Personally directed projects and instructed students in various aspects of geometry, fractions, ratios, and decimals. (2003-2004)

Southern Methodist University Archaeological Field School, Taos, NM

- *Teaching Assistant.* Served as a teaching assistant for fifteen-person field school in northern New Mexico. Personally engineered and delivered lectures on geoarchaeological and lithic analysis. Presented walking tours of local geology to both field school students and interested locals. (2003)

NSF Partnership for Research in Inquiry Based Science and Mathematics Education, Seattle, WA

- *Fellow.* Developed and instigated original science and math curricula at Whitman Middle School in cooperation with primary educators, college faculty, and NSF administrators. Personally instructed students and performed numerous scientific experiments covering topics including: physics, chemistry, geology, atmospheric science, and mechanical engineering. (2001-2002)

University of Washington, Seattle, WA

- *Teaching Assistant.* Acted as TA for Introductory Archaeology on two separate occasions, developing new laboratory experiments on stratigraphy and absolute dating; gave numerous guest lectures during the class proper. (2003)
- Served as laboratory director for Archaeology Laboratory Methods course, instructing teams of undergraduates in artifact analysis (including faunal identification, lithic analysis, and geoarchaeological analysis), artifact curation, and database construction and maintenance. (2000-2001)
- Served as TA on several occasions for Introductory Anthropology course, personally instructing numerous lessons on archaeology and physical anthropology to class proper.

ARCHAEOLOGICAL FIELD EXPERIENCE

Upano River Archaeological Project, Ecuador

- *Principal Investigator* Developed pilot study to investigate prehistoric cultures that lived along the upper reaches of the Upano River in Ecuador. (2015 - present)

Yates Community Archaeological Project, Texas

- *Project Director.* Supervised excavations in Freedman's Town (Houston Fourth Ward) for archaeological field methods course. (June 2012 - present)

Bernardo Plantation Archaeological Project, Texas

- *Consultant.* Organized and supervised collection of geological and geoarchaeological samples from pre-Civil War plantation site. Supervised excavation crews for general investigations. Directed and supervised backhoe excavations (October 2010 – May 2011)

Northland Research, Inc., Arizona

- *Project Director.* Organized and implemented Phase I, II, and III archaeological investigations throughout southern Arizona, including the Salt and Gila River valleys, metropolitan Phoenix and Tucson, and Casa Grande Ruins National Monument. Excavated sites include: Pueblo del Alamo, Pueblo del Rio, Pueblo Viejo, Las Canopas, and Vah Ki Inn Village (2004 – 2008)

Discovery Channel International

- *Host/Archaeological Consultant.* Hosted and developed thirteen documentaries for the Discovery Channel Series “Bone Detectives”. Participated and helped conduct excavations at sixteen sites in thirteen countries. (2007 – present)

Fort Clatsop National Memorial, Oregon

- *Consultant.* Engaged in the planning and sampling of the region immediately surrounding the memorial in conjunction with a multi-institutional geoarchaeological project. Personally organized and supervised micromorphological analysis of sediments and petrographic analysis of minerals. (2000 – 2003)

Chavés-Hummingbird Pueblo Project, New Mexico

- *Crew Chief.* Supervised multiple teams in excavation of expansive site in central New Mexico. Coordinated shifts for undergraduate and volunteer workers and planned parts of research design. Designed and implemented geoarchaeology and hydrological sampling methodologies. (1998 – 2004)

International Kuril Island Project, Russia

- *Researcher.* Aided in the development and initiation of a multi-national archaeological expedition to the Russian Far East. Personally surveyed and sampled over seventeen sites on twenty islands. Organized equipment and supplies for American participants. Developed and maintained extensive project website. (2000 – 2001)

North Hokkaido Archaeology Survey, Japan

- *Researcher.* Developed and implemented survey strategy for north Coast of Hokkaido Island. Identified and mapped over thirty sites, some of which could potentially date to the Paleolithic. (2000 – 2001)

Pot Creek Pueblo, New Mexico

- *Researcher* Assisted in the co-ordination of twelve excavation teams and personally supervised a four person work team. Created detailed report of excavation results and research strategy while on site. (1997)

Archeuleta Pre-Aggregation Site, New Mexico

- *Researcher.* Aided in excavation and data recording during eight week excavation in northern New Mexico. Responsible for operating and maintaining Total Station while on site. (1996)

Black Water Draw Locality # 1, New Mexico

- *Researcher.* Participated in regional survey for Paleo-Indian scatters around original Clovis site during two week program. Aided in the development of survey map and project report. (1995)

GEOLOGICAL FIELD EXPERIENCE

Idaho Springs Suture Zone, Colorado

- *Researcher.* Surveyed extensive region (50km²) for evidence of ductile and static lithological deformation in north-central Colorado over a four-week period. Assisted in the re-evaluation of local structural geology. Operated in a three-person team independently of other research teams or during this time period. Organized research and data for published paper. (1999)

Exxon Petroleum Worldwide, Texas

- *Petroleum Engineer.* Conducted numerous petroleum well core analyses, testing for lithological composition at Research and Discovery headquarters. Personally performed extensive seismic reflection analyses investing production potential of sites from around the world. (1998-1999)

Wichita National Wildlife Preservation, Oklahoma

- *Researcher.* Assisted in the instruction of students regarding the geological history of the area, conducting tours and surveys during a two month period. Aided the U.S. Geological Survey in geological mapping of the region. (1998)

Llano Pre-Cambrian Uplift, Texas

- *Researcher.* Retrieved and curated core samples from lithological formations in conjunction with research regarding Negative Bouger Gravity Anomalies recorded in the region. (1997)

LABORATORY AND MUSEUM EXPERIENCE

Northland Research, Inc.

- *Director of Analysis.* Supervised all laboratory and curation practices for all cultural resource projects. Coordinated efforts between all researchers and analysts for all cultural resource projects, including large scale data recovery operations. Responsible for all permits and applications. (October 2006 – July 2008)

International Kuril Island Project Laboratory, University of Washington

- *Lab Director.* Organized, implemented, and managed undergraduate analyses of fauna, lithics, sediments, and charcoal. Personally analyzed lithic debitage, the results of which were included in a number of seminar presentations and research papers. (2000-2001)

Burke Museum of Natural History and Culture, University of Washington

- *Museum assistant.* Compiled and researched inventories of the Washington State Parks and Recreation Commission's NAGPRA holdings. Personally provided on-site examinations of storage facilities throughout the state of Washington. (2000)

Southern Methodist University Mineralogy Laboratory, Dallas

- *Laboratory assistant.* Oversaw the work of four undergraduate students, creating and cataloguing petrographic thin sections for the Geology Department. (1998)

Southern Methodist University Southwest Research Laboratory, Dallas

- *Laboratory assistant.* Prepared dendrochronological samples for transport to University of Arizona. Organized database of Ancestral Pueblo sites from throughout the Eastern Southwest. (1996)

PUBLICATIONS

In prep Towards an Anthropology of Value. (with Phillip Tussing). Paper to be submitted to the Journal of Modern Economics.

- 2012 Geoarchaeology and lithic procurement strategies within the Marine Corps Air Ground Command Center, Twentynine Palms, California. *Geoarchaeology* 16(1):34-41.
- 2010 Pits, Privies, and the Potential of Micromorphology: Determining the Origin of Subterranean Features at Fort Clatsop, Oregon. *Geoarchaeology* 14(2):45-56.
- 2008 Earth, Wind, and Fire: Subsurface Pits at Fort Clatsop. (With Julie Stein, Roger Kiers, Jennie Deo, Kate Gallagher, and Chris Lockwood). *Geoarchaeology* 12(1):16-29.
- 2007 I'm not a television host but I played one on TV. *Glyphs* 57(16):3-6.
- 2004 Archaeological Paleobiology in the Russian Far East: The Kuril Islands and Sakhalin in Comparative Perspective. *Asian Perspectives* 43(1): 92-122. (With Ben Fitzhugh, Chris Lockwood, and Cristie Boone).
- 2003 Micromorphological analysis of burned deposits from Fort Clatsop National Memorial, Oregon. Paper presented at the Boston University Micromorphological Conference, Boston, MA. (With Julie Stein).
- 2003 *Earth, Wind, and Fire: Subsurface Pits at Fort Clatsop*. Paper presented at the 2003 Annual Meeting of the Geological Society of America, Seattle, WA. (With Roger Kiers, Jennie Deo, Christopher Lockwood and Julie K. Stein).
- 2001 *Archaeology and the International Kuril Island Project. Summary of the 2000 field expedition. International Symposium on Kuril Island Biodiversity*. Hosted by The Hokkaido University Museum and the Graduate School of Fisheries Sciences, Hokkaido University. (With Ben Fitzhugh, Chris Lockwood, and Carol Mandryk.)

SELECTED TECHNICAL REPORTS

- 2006 *A Cultural Resources Survey of Approximately 1700 Acres of Private Land surrounding Walker Butte near Coolidge, Pinal County, Arizona*. Technical Report No. 06-26. Northland Research, Inc., Tempe.
- 2006 *A Cultural Resources Survey of 3,200 Acres Within the General Motors Proving Ground, Mesa, Maricopa County, Arizona*. Technical Report No. 06-59. Northland Research, Inc., Tempe.
- 2006 *Cultural Resources Inventory of 1,300 Acres in the Noble Pass Training Area, Marine Air Ground Task Force Training Command, Marine Corps Air Ground Combat Center, Twentynine Palms, California*. Northland Research, Inc., Tempe. (with M. Zyniecki)
- 2005 *Archaeological Extent Testing for 8.5 Acres within the Prehistoric Site of Pueblo del Alamo (AZ T:12:52[ASM]), Phoenix, Maricopa County, Arizona*. Technical Report No. 05-11. Northland Research, Inc., Tempe.
- 2005 *Archaeological Testing of 7.2 Acres Located within the Prehistoric Site of Pueblo del Rio (AZ T:12:116[ASM]) Near the Intersection of Mohave Street and 43rd Avenue, Phoenix, Maricopa County, Arizona*. Northland Research, Inc., Tempe.
- 2005 *Phase 1 Data Recovery for a 4.5 Acres Portion of the Terramar Nodal Park Project Located within the Prehistoric Site of Palo Verde Ruin (AZ T:8:68[ASM]), Peoria, Maricopa County, Arizona*. Technical Report No. 05-80. Northland Research, Inc., Tempe.

- 2005 *Archaeological Testing of Approximately 3.1 Acres Within The Van Liere Ruin, Near Buckeye, Maricopa County, Arizona.* Technical Report No. 05-95. Northland Research, Inc., Tempe.
- 2005 *Archaeological Extent Testing of approximately one acre within a portion of Pueblo Viejo (AZ T:12:73[ASM]) located at 5800 and 5812 South Central Avenue, Phoenix, Maricopa County, Arizona.* Technical Report No. 05-145. Northland Research, Inc., Tempe.
- 2005 *Archaeological Testing of one acre located within the Prehistoric site of Pueblo Viejo (AZ T:12:73[ASM]) near the Intersection of Southern Avenue and 4th Street, Phoenix, Maricopa County, Arizona.* Technical Report No. 05-146. Northland Research, Inc., Tempe.
- 2004 *Report on Subsurface Investigations for Prehistoric Canal Pinkeley on a 20-acre Parcel Northwest of the Intersection of Vab Ki Inn and Kenworthy Roads, Coolidge, Pinal County, Arizona.* Technical Report No. 04-141. Northland Research, Inc., Tempe.
- 2003 *It's the Pits: A Geoarchaeological Examination of Terrain Formation for Fort Clatsop National Monument.* Report to the National Park Service. (With Julie Stein, Jennie Deo, Katherine Gallagher, Roger Kiers, and Chris Lockwood).

CONFERENCE POSTERS

- 2007 *Lithic Resources at Twenty-Nine Palms Military Installation, California.* Presented at the 2007 Annual Conference of the Society for American Archaeology.
- 2001 *Geoarchaeology at Fort Clatsop National Memorial.* Presented at the 2002 Annual Conference of the Society for American Archaeology, Denver, CO. (With Roger Kiers, Jennie Deo, Kate Gallagher, Chris Lockwood, and Julie Stein).
- 2001 *The International Kuril Island Project: Archaeological Perspectives on Island Biogeography, Quaternary Geology, and Maritime Settlement of Southern Beringia.* Presented at the 2001 Annual Conference of the Arctic Research Consortium of the United States, Seattle, WA. (With Ben Fitzhugh, Chris Lockwood, Cristie Boone, Valerii Shubin, and Yoshihiro Ishizuka).

GRANTS AND AWARDS

- Sigma Alpha Pi Teaching Excellence Award (2016)
- Bedichek-Orman Faculty Development Award (2015)
- Ecological Society of America Education Improvement Award (2015)
- Dr. Anthony Chee Teaching Excellence Award (2014)
- Houston Community College Foundation Grant (2011)
- University of Washington Student Technology Fee Class Improvement Grant (2004)
- National Science Foundation GK-12 Math Curriculum Improvement Grant (2003-2004)
- University of Washington Department of Anthropology Pre-Dissertation Research Grant (2003)
- National Science Foundation Partnership for Research in Inquiry Based Science and Mathematics Education Graduate Fellowship (2001-2002)
- William C. Clements Grant for Southwestern Anthropological Research (1998)

OTHER EXPERIENCE

- Served on HCC Faculty Senate as member (2013-present) and secretary (2016-2017).
- Extensive experience with Microsoft Office Suite, FileMaker Pro, ArcGIS, SPSS, R
- Completed Adjunct Certification Program at Lone Star College Cy-Fair (2011)
- Proficient in French (spoken & written), Russian (spoken & written), and Japanese (spoken)

REFERENCES

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