

Additional information as per requirements for the NPS Archaeologist, Ecologist and Specialist positions.

Preferred Qualifications	Selected Qualifications and Experience
Degree(s)	•Ph.D. Environmental Archaeology/Science, Portland State University 2011 •Dissertation: <i>Deforestation, Drought and Humans: New Discoveries of the Late Quaternary Paleoenvironment of Rapa Nui (Easter Island)</i> •M.S. Solar Architecture - Building Design -, Arizona State University 1993 •Thesis: <i>Passive Solar and Thermal Mass in the Architecture of the Desert Southwest.</i> •Bachelor of Architecture (5yr Prof. Degree)/dual focus - Anthropology, Univ. of Louisiana at Lafayette, 1986
MEDICINE	COLORADO SCHOOL OF TRADITIONAL CHINESE MEDICINE MASTERS IN ACUPUNCTURE - AUGUST 2019

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3. semester hours each in the following 5 course areas: AND SIX SEMESTER HOURS OF RELATED COURSE WORK IN: geography, geology, or cultural geography; history, historiography, or historical archeology; environmental studies; scientific writing (nonfiction English composition); and/or surveying; ANTHROPOLOGY SUPPORTING	•1. History of archeology* •2. Archeology of a major geographical area such as North America or Africa** •3. Regional archeology, archeological cultures, or sites in a specific part or portion of a major geographical area to acquire or develop a foundation for regional specialization for professional dev*** •4. Theory and methods of archeology. Methods include, but are not limited to typology, classification, sampling, cultural evolution, diffusion, dating, and analytical techniques(+) Portland State University • ANTH 304 SOCIAL ANTHROPOLOGY • ANTH 305 CULTURAL ANTHROPOLOGY • ANTH 350 ARCHAEOLOGICAL METHODS-THEORY(+) • ANTH 370 PALEO ANTHROPOLOGY*** • ANTH 452 LAB METHODS(+) • ANTH 493 SEMINAR IN ANTHROPOLOGY*** • ANTH 513 CULTURE & ECOLOGY*** University of Louisiana at Lafayette • ANTH 201 CULTURAL ANTHROPOLOGY • ANTH 303 ARCHAEOLOGY* • ANTH 385 NORTH AMERICAN PREHISTORY** • ANTH 450 INDIANS OF LOUISIANA** • ANTH 493 SEMINAR - SOUTH AMERICAN PREHISTORY** • ANTH 497/8 SPECIAL PROJECTS - LAB ASSISTANT ANALYSIS(+) • HIST 101 WORLD CIV ! • FIAR 111 DRAWING 1 • FIAR 121 SURVEY OF ARTS • ARCH DESIGN I - X (10 SEMESTERS OF DESIGN STUDIO) • ARCH 211 ARCH RENDERING • ARCH 252 PRINCIPLES OF STRUCTURE • ARCH 331 & 332 CONSTRUCTION • MCHE 319 & 320 ENV. CONDITIONS • ARCH 383 CAD IN PRACTICE • ARCH 410 AUTOCAD 1 & 2 • ARCH 441 LIGHT AND SOUNDS • CRPL 200 CITY AND REGIONAL PLANNING • ARCH 421 URBAN PLANNING • ARCH 432 CONSTRUCTION DOCUMENTS • CIVE 419 STRUCTURE-CONCRETE • ARCH 461 LANDSCAPE ARCHITECTURE • ARCH 491 PROF PRACTICE SEMINARS, MATH, LITERATURE, STATISTICS AND OTHER COURSES ARE LISTED ON TRANSCRIPTS. Human based inquiry including garbage archaeology, landscape use and changes, and sustainability.

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PHYSICAL SCIENCES Ecology (9 semester hours Ecology and 12 semester hours in physical and mathematical sciences, minimum) Botany (24 semester hours in botany, minimum)	Portland State University: BI 507 GR SEM: ECOLOGY ESR 571 GR ATMOSPHERIC PHYSICS GEOG 410 UG GEOGRAPHY COLLOQ ESR 510 GR TOPIC: IMPACT ASSESSMENT G 524 GR GIS FOR NAT. SCIENCE G 505 GR R & C: GIS CLIMATE GEOG 511 GR CLIMATIC ANALYSIS GEOG 581 GR SATELLITE DIGITAL IMAGING STAT 560 GR APPL STAT-ENG & SCIENCE ESR 533 GR NAT RESOURCE ECON ESR 607 GR SEM: ENV. SCIENCE (12 SEMINARS) PSY 521 GR UNIV QUANT METHODS 132 Graduate Hours 3.76 GPA PhD Env. Science PhD Details: 2005 - Rapa Nui (KAO05) Coring Expedition, 4 months Jan - April. • Hand coring w/ Livingstone Rod Operated Piston Corer - 21meters Depth. • Floating Peat Mat - Russian D shaped corer - 4 meters. • Repository & Processing: LacCore & Lacustrine Lab, Univ. of Minnesota • Analytical Procedures: XRF scans (whole cores), half splits core imaging. Subsampled at 10cms (90 samples for 9 meters). Water samples, Smear slides, and storage. • Radiocarbon Dating: self processed at LLNL, California • Oxygen Isotope (Aquatic Cellulose): Processed at Wilfrid Laurier Univ., Waterloo, CAN, Prof. Brent Wolfe, Interdisciplinary Center on Climate Change. • Palynology and Botany, Univ. of Minnesota, St. Paul. Mentor Professor Emeritus, Dr. Ed Cushing, Aug 2007-May 2008. Ecology Labs. • Pollen Processing: Massey University, New Zealand. Faegri model of pollen processing. Created Reference Collection. Mentor Prof. John Flenley. • Macrofossils: self conducted for plants, charcoal, animals. • Australasian Pollen & Spore Atlas: Visiting Fellow established Rapa Nui pollen reference collection. Mentor Prof. Simon Haberle, ANU Jan-March 2010 Successive coring expeditions: 2005, 2008, 2014 Published Dissertation 2011. Illustrated Book "Ancient Plants of Rapa Nui" in current editing for publication in 2022.

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5. Archeological field school, to provide a basic understanding of theoretical and practical approaches to research design implementation, field preservation techniques, and report preparation by participation in actual field work;	Fieldwork Rapa Nui (Easter Island) 2002 - Earthwatch Archaeology of Vai tea, PI-Christopher Stevenson, Archaeologist, Univ. of Virginia. 3 weeks excavation of Lithic Mulch agriculture lands, archaeology, sampling, carbon floating, ceramics and lithic analysis. •1997 & 98 Ma'ax Na Field School Bolsa Verde, Lamanai,Belize,-- New survey and excavation, Leslie Shaw and Eleanor King, AFAR, PI •Archaeological Lab Assistant: Dept. of Anthropology, Univ. of Louisiana at Lafayette. 1/1990 - 1/1991 Supervisor: Dr. Jon Gibson Field Schools I have taught: 1995 - Yankee Creek, San Juan Island, Spring 2015 (More Expeditions led in CV)
Academic Teaching useful in working with the community: Able to work with diverse students and colleagues.	•Univ. classes were mixed undergrad and graduate students •Comm. College classes included Running Start High School students mixed with retired and professional students •Taught Title IX and Indian Ed for Saturday Academy, 5th-12th grade science for Portland Public Schools •Offered study abroad courses on Rapa Nui (Chile); Thailand; UK; Australia; New Zealand; and in various states in the USA. •As a Yoga and Qigong teacher I have taught Street Yoga at drop-in youth centers, women and children abuse shelters and addiction facilities. •Spanish speaking (moderate); Rapa Nui (beginner) •2015-2016 Skagit Valley College, San Juan Island •2014 Marylhurst University, Portland, Or. •2002-2014 Portland State Univ., Portland, Or. •1997-2009 Portland Community College •(See Teaching Statement for courses taught and proposed) •1996-2011 Owner/Teacher Ecological Design School, solar783 design studio in Portland, Oregon
Have experience with a variety of teaching methods and curricular perspectives.	•Master-Builder classes taught as workshops, lectures, hands-on building design, experimentation, field observation, multi-media, film documentary, model building, creative drawing. •Lecture classes include multi-media and are project based. •Classes taught in non-native language use interpreters. •I write the curriculum for all of my classes which are each unique to the location and to the service project needed for the community

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Interdisciplinary Studies	•Extensive experience integrating expertise in Architecture, Archaeology, Ecology and Plant Medicine for example: •Archaeo-Astronomy taught with Buildings of the SW and the culture of the Anasazi; or •Plant Medicine as ethnobotany integrated with living building systems; or •Rainwater collection as a service project which requires integration of climate change and atmospheric physics.

Experience	
D. EXPERIENCE: Four full years of archeological work experience that demonstrated a thorough knowledge of the fundamental principles and theories of professional archeology. The work experience must have included archeology field experience, which may include that gained in an archeological field school. Field experience should have included a combination of professional experience in archeological survey, excavation, laboratory analysis, and preparation of written materials. Applicants with such field experience should, after additional experience under the direction of a higher grade archeologist, be able to demonstrate the ability to be a crew chief, directing the work of others at a single location as a part of a larger archeological project.	(Also in CV) Most recent first: 1. Registered Professional Archaeologist: San Juan Island, Washington State DAHP, 2015 - 2016 Archaeological Survey Reports: Morrissey - Fish Creek Survey (SJI) St. Francis Church - Cemetery & Archaeological Survey (SJI) 2. Principal Investigator: SW Desert Drought Panel Expedition, Fremont Indian State Park, Utah, Colorado, New Mexico, Arizona. 6/2013 - 6/2014 3. Principal Investigator: Rapa Nui Expedition 2014, Ava Ranga Uka -. 1/15-5/15/2014 4. Visiting Research Fellow: Department of Ecology, University of Minnesota, St. Paul June-July 2014 (Previous Rano Kao work 8/2007-9/2008) Supervisor: Ed Cushing, Prof. Emeritus 5. Visiting Research Fellow: National Lacustrine Core Facility (LacCore), University of Minnesota, Minneapolis. June-July 2014 (Previous Rano Kao work 8/2007- 9/2008) Supervisor: Amy Myrbo 6. Visiting Research Fellow: Department of Anthropology, Australian National University, Canberra, Australia. 1/2010 - 4/2010 Supervisor: Simon Haberle 7. Visiting Research Fellow: Lawrence Livermore AMS Laboratory, Livermore, Cal. 8/2008 - 8/2009 Supervisor: Tom Guilderson 8. Principal Investigator: Rano Kao Expedition (RKE08), Rapa Nui, Chile. 1/2008-8/2009 9. Archaeological Contractor: Archaeological Investigations NW, INC., Portland, Oregon. 5/1997 - 8/1998 10. Visiting Research Fellow: School of People, Environment and Planning, Massey University, Palmerston North, New Zealand 5/2005 - 9/2005 Supervisor: John Flenley 11. Principal Investigator: Rano Kao Expedition 2005, Rapa Nui, Chile. 12/2004-5/2005. 12. Expedition crew: Rapa Nui Earthwatch Expedition, Terevaka lithic mulch gardens, Rapa Nui, 11/2002-1/2003 Supervisor: Chris Stevenson. PI 13. Archaeology Contractor: Lake Peigneur, Louisiana Excavation. 8/1980. Supervisor: Dan Cring 14. Principal Investigator: Lake Superior/Grand Island, Michigan. Underwater archaeology of The Point, Historical Trading Post on Grand Island, Michigan. 1994-2004 Supervisor: SHPO 15. Archaeological Lab Assistant: Department of Anthropology, University of Southwestern Louisiana at Lafayette. 1/1990 - 1/1991 Supervisor: Jon Gibson

Experience	
AREAS OF ARCHAEOLOGICAL FIELDWORK	Eastern United StatesPoverty Point, MoundBuilders (Louisiana & Mississippi Valley) Northern United States.....Michigan, Lake Superior Southwestern United StatesArizona, New Mexico, Utah, Colo Pacific Northwest United States.....Oregon, Washington OceaniaEaster Island

Experience	
ARCHAEOLOGICAL FIELDWORK	2014-current Ava Ranga Uka/Rano Kao, new discoveries and fieldwork in the Quebrada on Rapa Nui. Joining with the German Archaeological Institute March/April, a ceremonial site at Ahu Henua Nua Mea. At this site were uncovered intentional palm planting pits in a collapsed lava tube with waterfalls and pools previously unknown. 4 cores taken from Ava Ranga Uka stretching 8km from Rano Aroi to Opipiri which was analyzed for oxygen isotopes and pollen analysis. Looking for drought and rainfall patterns. Current work at Rano Kao included measuring the water depth which is 2 meters lower since 2008. Surveying old sites and documenting 300 new water basins is continuing. 2014 Treasures DeCoded: Easter Island Heads September 2014 BBC film. (USA release Secrets: Easter Island Smithsonian Channel.com) 2014 Superviviente: The Story of Toromiro, Film documentary. Sophora Toromiro, the last endemic tree on Rapa Nui. Film 2013 Manavai de Bioversidad (film) Documenting the ecological diversity of Rano Kao. A film series by the Ministry of Forestry (CONAF) directed by Alejandro Tucki. 2013/14 SW Desert Drought Panel Expedition, Documenting petroglyph and story collection, Colorado, New Mexico, Arizona, Utah, 2008 RKE08 Expedition, Rano Kao coring expedition, Rapa Nui, 2005 KAO3 Expedition, Rano Kao, Rano Raraku and Rano Aroi coring expedition, Rapa Nui, 2002 Rapa Nui Earthwatch Expedition, Terevaka lithic mulch gardens, Rapa Nui, 1997/98 Ma'ax Na Field School 1997 & 1998, Bolsa Verde, Lamanai, Ma'ax Na, Belize, new survey and excavation, Leslie Shaw and Eleanor King, AFAR 1994-2004 Underwater archaeology of The Point, Historical Trading Post on Grand Island, Michigan. Lake Superior/Grand Island. 1990 Lake Peigneur, Mastodon & Browsers excavation, Louisiana, 1990 Oil rig drilling in lake pierces salt dome connected to mine, empties lake and discovers ancient browsers. Emergency Archaeology team.