Kelly Kries

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EDUCATION:

Washington University in St. Louis, MO
Bachelor of Arts Degree granted May 2016
Majors: Biology, Anthropology
GPA: 3.4/4.0

Organization for Tropical Studies: South African Ecology and Conservation
Duke University — Kruger National Park, South Africa — Spring 2015 — GPA: 3.7/4.0

Program focused on system ecology, research, and conservation with an emphasis on field work, research methods, and science writing. Humane trapping methods, rodent and bird handling, veinopuncture, staining and microscopy to observe haemato- and ectoparasites

Independent Research Project:
'A comparison of avian parasite prevalence inside and outside of Kruger National Park'

· Captured wild birds using mist nets and walk-in traps, took morphometric data and ringed them for future identification, took feather clippings and drew blood by veinopuncture, utilized microscopy to determine the presence of hemo- and ectoparasites, performed statistical analysis, reported results via a written report and an oral presentation

Honors and Awards:

Dean's List, Fall 2013, Spring/Fall 2014
Lambda Sigma Sophomore Service Honorary, 2013-2014
Lambda Alpha Anthropology Honor Society, 2014-present
Excellence in Anthropology Award, Anthropology honors

EXPERIENCE:

Santa Rosa National Park, via the University of Calgary **May-October 2016**
Field Assistant **Guanacaste, Costa Rica**
under Shasta Webb, PI, and Dr. Amanda Melin

· Collected behavioral data from habituated groups of white-headed capuchin monkeys, including group scans and focal follows, as well as fecal samples for the study of their microbiome
· Enhanced data management and field skills

Melin Primate Molecular Ecology Laboratory **July 2014-May 2016**
Laboratory Assistant, Undergraduate Researcher **St. Louis, MO**
under Dr. Amanda Melin, PI, and Dr. Mrinalini Erkenswick Watsa

· Contributed to several long-term projects regarding comparative sensory genetics
· Tasks include DNA extraction from tissue, hair and fecal samples, PCR, gel electrophoresis, sequencing and analysis, general record keeping and lab maintenance.
·**Independent project:** 'The functionality of short- and long-wave sensitive opsin genes of leaf-nosed bats (Phyllostomidae),' recipient of Washington University's Summer Undergraduate Research Funding

Washington University in St. Louis **August-December 2015**
Teaching Assistant - Molecular Methods in Anthropology, L48-4911 **St. Louis, MO**
under Dr. Amanda Melin
· A laboratory-based course designed to teach basic techniques and concepts in genetic research

Tyson Research Center and Field Station **May-July 2014**
Undergraduate Research Fellow **Eureka, MO**
under Dr. Stephen Blake, PI, and Dr. Sharon Deem, DVM
· St. Louis Box Turtle Project in conjunction with the St. Louis Zoo and the Institute for Conservation Medicine. Studied box turtle health and movement ecology.
· Field and lab components: tracking turtles by radio-telemetry, lab work (blood testing, collecting bacterial samples, etc.), experimental design of a pilot study surveying food availability, data management, synthesis, and analysis.
· Outreach components: advertising (designed flyers, instructional materials, etc.), social media direction, filmed/edited/produced a promotional mini-documentary, mentored high school researchers, presented research and introduced tracking methods at public events, teacher workshops, science camp programs, and local schools.

St. Louis Zoo **January-May 2014**
Endangered Species Research Center & Veterinary Hospital **St. Louis, MO**
Behavioral Research Intern
under Dr. Fiona Marshall, PI, and Eli Baskir
· Mother-Infant Antelope Study, Domestication Study of Somali Wild Ass and Grevy's Zebra
· Live observation, identification and behavior scoring
· Video analysis using TheObserver software

Americorps Service **May-August 2011**
Counselor for the 17th Street Neighborhood Summer Fun Camp **Belleville, IL**
· Mentored a group of fourth graders from a neighborhood with at-risk youth
· Supervised and participated with them in daily camp activities and field trips
· Directed the camp's art program and organized group art projects for all grade levels

RELEVANT COURSE WORK:

· General Chemistry I & II
· General Chemistry Laboratory I & II
· Organic Chemistry I & II with Lab
· General Biochemistry I
· Principles of Biology I & II with Lab
· Anatomy and Development
· Behavioral Ecology with Lab
· Practical Skills in Environmental Research
· South African Ecosystems and Diversity
· Methods and Techniques of Field Research in Savanna Ecology
· Conservation, Biodiversity Management, and Protected Area Design in South Africa
· MedPrep: PreMed Lecture Series
· Writing the Natural World
· · Primate Biology
· Primate Ecology and Social Structure
· Introduction to Human Evolution
· Biological Basis of Human Behavior
· Proseminar in Anthropological Research
· Anthropological/Evolutionary Genetics
· Anthropology of Human Birth
· Human Physiology
· Calculus I & II
· Physics I & II with Lab
· Introduction to Cultural Anthropology
· Introduction to Archaeology
· Zooarchaeology
· Credit for Introductory Probability and Statistics

ADDITIONAL ACTIVITIES, AWARDS, QUALIFICATIONS:

· Organization for Tropical Studies Student Leadership Committee, 2015
· Arch Rival Roller Girls Roller Derby League, 2014
· Volunteer at Stray Rescue of St. Louis, 2014
· CPR and Wilderness First Aid Certification, 2014
· Service related to the Beta Epsilon Chapter of Lambda Sigma, 2013-2014
  Includes work with Campus Kitchen, [RE]FRESH charity, and hosting Random Act of Kindness Week to raise funds for Variety children's charity.
· Model United Nations, 2006-2013
  Outstanding Delegate and Superior Resolution Awards in the Commission on Science and Technology. 4 years experience mentoring younger Model U.N. delegates and acting as Committee Chair in hosted conferences.
· Medicine and Research Connections Pre-Orientation Program, 2012
· Canon National Envirothon, 2011-2012
  Wildlife Specialist on first team. First place at county in Forestry, Wildlife, Soils, Aquatics, and Presentation categories. First place at state level. Competed nationally at Susquehanna University, Pennsylvania.
· Proficient with MS Excel/Word/Powerpoint/Access, Photoshop, MoveBank, TheObserver, Statistica, Primer3, MEGA, 4peaks, Sequencher, Prim8
· Familiar with French, Italian, Spanish