

KERI BRYAN

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EDUCATION

Sewanee: The University of the South, Sewanee, TN; Bachelor of Science, May 2012, *summa cum laude*

- Major in Environmental Studies: Ecology & Biodiversity; minor in Geology
- GPA: 3.93; Dean's List, 2008-2012; Order of Gownsmen (Academic Honor Society) 2009-2012

Phi Beta Kappa

Honors in Biology: Within major G.P.A. above 3.33, approval of completed honors thesis

Distinction in Biology: Awarded A's in one oral and three written comprehensive exams covering all content in the major field during the entire undergraduate career.

Harry C. Yeatman Award in Biology: recognizes the senior major exhibiting leadership and inspiration in the study of biology (2011)

First Place McCrady Prize for Poster Presentations in the Sciences (2011): "Effect of Exurban Development on Snail Abundance and Diversity in Sewanee, TN"

Benedict Scholarship: The highest honor conferred upon an entering student by Sewanee, a scholarship covering full tuition, room and board (2008-2012)

RESEARCH

Sewanee Environmental Institute Post-Baccalaureate Fellowship: Payments for Ecosystem Services in the Central Plateau of Haiti 2012-2013

Assessing the feasibility of and implementing a Payments for Ecosystem Services project as a partnership between The University of the South (Sewanee, Tn) and Zanmi Agrikol (Cange, Haiti), with the dual goals of offsetting the University's carbon emissions and improving rural livelihoods in Haiti, Has demonstrated initiative and leadership in interdisciplinary problem solving.

GIS Mapping for Partners In Health, Zamni Agrikol, Cange, Haiti 2012

Helped to establish a basic GIS database for a public health organization in Haiti, with the specific role of mapping schools built by Zanmi Lasante and the Family Assistance Program established by Zanmi Agrikol. Position required skills in database management, ArcGIS, Manifold GIS software, basic French skills, and the ability to carry out extensive independent fieldwork in a developing setting.

A Guide to the Land Snails of Sewanee 2012

At the request of Dr. D. Haskell, assisted in the creation of a guidebook to the land snails of Sewanee, TN. Guide is currently in use locally, although formal publication is awaiting ongoing work on species and subspecies classifications.

Independent Research: Exurban Development and Land Snail Abundance and Diversity in Sewanee, TN 2010-2012

Performed independent research involving systematic sampling and identification of a challenging and understudied taxon with significant conservation implications. Oral presentation at the 72nd Annual Meeting of the Association of Southeastern Biologists. Publication in prep.

National Science Foundation Research Experience for Undergraduates, Univ. of Alaska Southeast 2011

Research on the effect of photochemical degradation on dissolved organic carbon in freshwater streams in Southeast Alaska under the guidance of Dr. Eran Hood. Poster presented at the American Geophysical Union Fall Meeting 2011.

EXPERIENCE

Wetland Research Intern: Department of Renewable Natural Resources, Louisiana State University, Baton Rouge, LA, summer 2010

Assisted in the research of Dr. Andy Nyman: chemical indicators for flooding, nitrogen, and salinity stress in bald cypress leaf tissue; Management of Mississippi River through the old river control structure to minimize Gulf of Mexico eutrophication.

Island Ecology Summer Program, Saint Catherine's Island, GA, summer 2010

Rigorous outdoor instruction on barrier island geology/hydrology, plant ecology, marine and invertebrate zoology, and wildlife biology. Gained experience in scientific fieldwork and research under pressing physical conditions and time constraints.

Founder and Activist: Walk With Uganda, *summer 2009*

One of four students who independently planned and carried out a seven-hundred mile awareness walk from Sewanee, TN to Washington D.C. for child soldiers victimized by the Lord's Resistance Army in Uganda, Sudan, DRC, and CAR. Spoke for this cause and in favor of Senate Bill 1067 at churches, high schools, and city councils, a national youth group camp of 1,300 high school students, in six newspapers from four different municipalities, through a weekly radio show, and by meeting directly with TN Senator Lamar Alexander and TN Representative Zach Wamp upon arrival in Washington.

Member: Intentional Community for Sustainability, University of the South, Sewanee, TN, 2009-2010

Selected by peers and administration to be a member of an intentional community centered on sustainable lifestyles both with regard to environmental impact and a responsible college life. Planned events bringing together Sewanee students, faculty, and community members while practicing environmentally conscious lifestyle through organic gardening, raising chickens, and conserving electricity and water.

Trip Leader: Sewanee Outing Program, University of the South, Sewanee, TN, 2009-2011

Lead rock-climbing trips for Sewanee students with varying experience in rock climbing. Lead on-campus trips and multiple off-campus day to week long trips for more experienced climbers, showing organization and leadership skills in a technical position.

Environmental Education Volunteer: Hilltop Arboretum, Baton Rouge, LA, 2008

Planned and taught a series of presentations and fieldtrips on bird-watching with children for family groups in conjunction with members of the Baton Rouge Audubon Society.

Bird Survey Volunteer: Christmas Bird Count, Gomez Farias, Mexico, 2003-2007

Participated in the Christmas Bird Count bird survey for six consecutive year, demonstrating the capacity to identify Tamaulipan birds by sight and by ear, and to follow established surveying protocols. Additionally responsible for data compilation and submission for the Gomez Farias count circle.

Environmental Education Volunteer: Ninos y Crias, Merida, Mexico, *summer 2007*

Assisted Ninos y Crias, an NGO focused on environmental education, in teaching bird-watching workshops for children. Workshops aimed to encourage a sense of value for the biodiversity of the region in light of growing ecotourism markets.

Additional Skills

- Experience grant writing to organizations including the National Science Foundation and the US Department of Agriculture.
- Has completed coursework and demonstrated competency in the use of Arc GIS
- Basic skills in R Statistical Computing Software
- Proficiency in North American bird identification
- Proficiency in Southeastern land snail identification
- Certified in Wilderness Advanced First Aid (WAFA)
- Languages: French (intermediate level of proficiency), Haitian Creole (rudimentary)