

Sarah Dymecki

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Education

Master of Arts Graduated May 2018
Boston University, Pardee School of Global Studies, Boston, MA
Major: International Relations and Environmental Policy
Certificate of African Studies
Thesis: *“Water Use Conflicts in Zanzibar: Effect of Tourism on Different Stakeholder Groups in Jambiani Village, Zanzibar”*

Bachelor of Science, Environmental Science and Policy Graduated May 2013
University of Maryland, College Park, MD
Major: Environmental Science and Policy, Concentration: Land Use
Minor: Geographic Information Systems
Geographic Honors Society
Dean’s List: Spring 2011, Fall 2012
GPA: 3.42/4.0

Work Experience

Samiotes Consultants, Inc., Framingham, MA Oct 2013-July 2016, Jan 2018-May 2018, Oct 2019-Present
Project Surveyor/GIS Technician

- Drafted plans of land based on survey field data using Land Desktop software and AutoCAD Civil 3D 2015 for a Professional Land Surveyor and civil engineers. The types of plans include existing plans of land, certified plot plans, and as-built plans.
- Managed a survey crew when in the field at sites in the City of Boston and the greater Boston area. Includes researching historic plans and deeds of the site at the Registry of Deeds and Land Court, setting up and closing an accurate traverse, and collecting all information needed to draft a plan of land using a robotic instrument.
- Collected survey data with a Leica P20 3D laser scanner. Creating a complete 3D model using Cyclone and Cloudworx software and manipulating the model to extract the data needed to draft a plan of land.
- Collected and process GPS data to establish a coordinate system and datum.
- Provided GIS information and shapefiles for land surveyors and civil engineers to enhance existing conditions plans of land and design plans.

African Impact, Zanzibar, Tanzania May 2018 – July 2019
Project Manager – Dolphin & Marine Conservation Project

- Managed and developed the Dolphin & Marine Conservation Project to meet the needs of the local community, the volunteers, and our dolphin research partner at the Institute of Marine Sciences in Zanzibar City, Zanzibar.
- Oversaw daily dolphin monitoring sessions to analyze the relationship between dolphin behavior and dolphin tourism in the Menai Bay, as well as daily fish catch monitoring, and coral bleaching surveys.
- Taught a conservation class for middle to high school students at the local school. This included curriculum and lesson planning, teaching, environmental and conservation knowledge, volunteer engagement, and student engagement.
- Prepared and led ethical boat driver training workshops to increase skills, conservation education, and income of local boat drivers.
- Managed and delegated project tasks a local team to ensure project growth and a great volunteer experience.
- Managed and supervised groups of international volunteers. Volunteers range from age 17 through 70, staying a duration of 2 to 12 weeks.

- Created weekly schedules for staff and project volunteers. Coordinated with the Teaching project staff, boat drivers, the high school, and community members when planning. Managed and tracked weekly progress.
- Prepared annual reports summarizing dolphin monitoring findings for our research partner.
- Prepared reports for my direct supervisor and the supervising office in Cape Town, South Africa.
- Fundraised for all Zanzibar African Impact projects through social media campaigns, canvassing, and volunteer events. Organized and managed the events on the ground, as well as create marketing materials and campaigns.
- Started the development of a fundraising project dedicated to supplying clean water to the Jambiani community. Developed fundraising schedule and phases to meet project goals, constructed business and action plan, SWOT analysis, and M&E methods.
- Used GIS to map daily dolphin locations and yearly changes.
- Developed and marketed an ethical dolphin tour agency to promote local community boat drivers, sustainable income, and dolphin conservation.

Pardee School of Global Studies, Boston University
Research Assistant

September 2017 – May 2018

- Research Assistant and Teaching Assistant for Professor Mahesh Karra

African Impact Foundation, Zanzibar, Tanzania
Intern

June 2017 – Aug 2017

- Taught and prepped lessons for adult English classes and conservation classes to adults in Jambiani and Kizimkazi, Zanzibar.
- Monitored dolphin and tourist interaction every morning in order to research and improve sustainable ecotourism for the Kizimkazi community and the dolphin population.
- Prepared and led ethical boat driver training workshops to increase the local knowledge about dolphins and coral reefs and teach boat drivers skills in business development to aid the ecotourism industry in Kizimkazi.
- Organized and managed fundraising events for both the education project and marine conservation project in Zanzibar. This involved marketing in local businesses as well as keeping and creating relationships with the community.
- Managed large groups of volunteers of all ages while working on project and during lesson preparation, fundraising events, and community engagement.
- Collected, tracked, and reported any donations given by volunteers, businesses, or raised during weekly events. These financials were then given back to the main office in Cape Town, South Africa for processing.

Community Involvement

African Impact Big Cat Wildlife Research & Conservation, Naboisho Conservancy, Kenya
Volunteer, 2 weeks

February 2018

- Participated in daily game drives in the Conservation Area monitoring the big cats, elephants, and bird species.
- Contributed to wildlife research and conservation through individual lion and elephant identification. I used image analysis and GIS locations to track specific individuals and bird species.
- Helped tour guides-in-training during daily game drives test their knowledge on species, tracking techniques, and English language skills.
- Taught conservation lessons at both the neighboring Guide School and the community elementary school.

Friends of Fumbelo, Inc, Wellesley, MA and Lusaka, Zambia
Board Member, Non-Profit Organization

November 2015 – Present

Wellesley Village Church High School Youth Group
Youth Advisor

January 2014 – December 2015

- Attend weekly group gatherings to provide mentoring and discussion for the youth involved.
- Travel to Santa Fe, NM for a service project with the spring of 2014 with six other advisors and fifty high school youth. Worked with a local non-profit to create drainage basins and assisted at two elementary schools to teach about gardening and sustainability.

Friends of Fumbelo, Inc.
Volunteer

July 2010, July 2011

- Fundraised for and traveled to Fumbelo Village in Lusaka, Zambia for three weeks each summer.

- Developed and taught elementary lessons in the local school for grades K-5.
- Gardened with the women in the village at Kubangwe Farm in order to grow food for school lunches and to sell at the local markets. Observed and learned how these women work with the dry earth and the little water available to them.

Skills

- Excellent written and oral communication skills
- Proficient in Microsoft Office Suite (Word, PowerPoint, Excel, Outlook) and Adobe
- Excellent policy and report writing
- Excellent team management
- Excellent administrative and organizational skills
- Proficient in Autodesk software: Civil 3D 2015, AutoCAD Land Desktop
- Proficient in Cyclone and Cloudworx software used with a 3D laser scanner
- Knowledgeable in ESRI software: ArcGIS, ArcInfo; ENVI 48 (Landsat imagery) and QGIS
- Excellent ability to read and analyze plans of land
- Excellent land surveying skills using Leica Robot and data collector, Leica P20 Laser Scanner, Leica GPS collector, Carlson Software
- Notable skill and understanding of photography including both digital and film cameras
- Knowledge of intermediate Kiswahili