

Emily Pierson

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504 Staudaher St. Bozeman, MT 59715

Education

Montana State University, Bozeman, MT - August 2014 to present

- In progress: MS in Land Rehabilitation

University of Pittsburgh, Pittsburgh, PA - May 2010 Graduate, Cum Laude

- Biological Science (BS), Environmental Studies (BA), Chemistry minor, Global Studies Certificate with a concentration in sustainable development in Latin America

University of Havana, Havana, Cuba - University of Pittsburgh Cuba Program, Spring 2010

National University of Mongolia, UlaanBaatar, Mongolia - University of Pittsburgh University Honors College Mongolian Field Studies Program, Summer 2009

National Outdoor Leadership School, Lander, WY- Semester in the Rockies, Spring 2007

Beam Reach Marine Science and Sustainability School, San Juan Islands, WA - Fall 2006

Work Experience

Buffalo Bill Center of the West, Cody, WY – Field Trip Educator, Summer 2014

- Curriculum development, logistics, and leading science based Discovery Field Trips for middle school students in the Bighorn Basin

National Ecological Observatory Network, Boulder, CO - Domain 10 Field Technician, Summer 2013

- Plot establishment, Trimble navigation, plant biodiversity surveys, clip harvest collection and processing, species identification, herbarium mounting and maintenance, soil cores

Dartmouth College, Hanover, NH - Trace Element Analysis Core Lab researcher and technician, Winter 2012 to Summer 2013

- Sample preparation and digestion, protocol development, analysis (ICP-MS, DMA, and other analytical techniques), data analysis and reporting, machine maintenance, inventory

Abington Friends School, Jenkintown, PA - In House Upper and Middle School Substitute Teacher, Fall 2010 to Winter 2010

University of Pittsburgh Department of Geology, Pittsburgh, PA - Geochemistry Lab Technician – Dr. Capo / Dr. Stewart Lab, Fall 2008 to Spring 2010

Leadership and Research

Montana State University - Weed and Invasive Plant Ecology and Management Lab - 2014 to present

- Graduate Research Assistant

Fulbright Scholar - Institute of International Education, US Student Program - 2011

- Coyhaique, Region of Aysén, Chilean Patagonia
- Partnering with the Center for the Investigation of Patagonian Ecosystems and the Guide School of Patagonia to promote local conservation ethic and youth leadership through scientific research and outdoor experiential education

National Aviary, Department of Conservation and Field Research - Research Assistant, Fall 2008 to fall 2011

- Developing and publishing the “Ruta Barrancolí,” the Dominican Republic bird route
- Guidebook research, content, editing, design, layout, and Spanish translation

Pitt Outdoors Club, University of Pittsburgh - President, Fall 2007 to Fall 2009

- Trip leader: Whitewater kayaking, rock climbing, backpacking, and winter camping
- Creation and allocation of annual budget, marketing, organization and recruitment of trip leaders and club members, collaboration with school administration and student government

Venture Outdoors - Public Programming Assistant and Trip Leader, Summer 2009 to Fall 2010

- Developed an online educational database and website for volunteer trip leaders
- Implemented new participant and trip leader feedback mechanisms
- Trip leader: kayaking, hiking, natural history programs, specialty programs, biking, leadership

Honors and Awards

Institute of International Education, US State Department

- Fulbright Scholar: US Student Program, Full Grant to Chile, 2011

University of Pittsburgh

- Department of Geology and Planetary Sciences Environmental Studies Field and Study Abroad Scholarship, Spring 2010
- Global Studies Undergraduate Tuition Remission Fellowship, Fall 2009
- Department of Geology Samuel B Frazier Undergraduate Book Scholarship, Fall 2009
- University Honors College Brackenridge Undergraduate Research Fellowship, Summer 2009
- Office of Experiential Learning Small Grant, Summer 2008 and 2009
- University Honors College Finkel Fellowship, Summer 2008

Publications and Presentations*

- Latta, S. C., K. J. Wallace, and E. Pierson. 2011. Ruta Barrancolí: A condensed bird-finding guide to the Dominican Republic. The National Aviary, Pittsburgh, PA. 80 pp.
- Photographs published in *Outdoors Magazine*, Chile. Accompanying an article written by Fransico Vio Giacaman, Por la Huella de los Troperos. June 2011.
- *Pierson, E. 2011. Integrated Conservation: Research and Science Tourism. South America Regional Enhancement Seminar, Fulbright US Student Program. Buenos Aires, Argentina. 31 July 5 - Aug 2011
- *Pierson, E., S. Latta and K. Wallace. 2009. Sendero Barrancolí – The Dominican Birding Trail. Poster presentation to the Society for the Conservation and Study of Caribbean Birds, Bolans Village, Antigua, 14-18 July 2009.
- *Pierson, E. 2009. Creating the Sendero Barrancolí: The Dominican Republic Birding Trail. Brackenridge Undergraduate Summer Research Fellowship. University of Pittsburgh at Johnstown, 24 June 2009.

Certifications and Skills

- Language: advanced Spanish, basic Mongolian and Russian
- Software proficiency: Microsoft Office, Adobe Creative Suite, Mass Hunter, CranR
- Basic web development, design, and upkeep
- Wilderness First Responder, NOLS Wilderness Medical Institute
- Open Water SCUBA, Naui Worldwide