

Emily Bowie

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Portfolio: <http://emilyannbowie.wix.com/emilybowie>

EDUCATION

Dickinson College, 2014, Carlisle, PA

B.S., Environmental Science, **GPA:** 3.81/4.0

HONORS: *Phi Beta Kappa Society* - Emblem of high achievement and strong potential

John Dickinson Scholar - In recognition of academic achievement and leadership

Baird Sustainability Fellow - Honoring excellence in sustainability through academics and service

RELEVANT COURSEWORK:

- Environmental Policy
- Pleasure, Politics, and Production of Food
- Writing Science News
- Environmental Ethics
- Introduction to GIS

RESEARCH EXPERIENCE

Research Apprentice, Dickinson College Farm, Carlisle, PA

2014

- Observed *Bufo americanus* tadpole population responses to installation of biodiversity ponds
- Recorded botanic composition changes over time in silvopasture using random quadrat sampling for Northeast SARE Silvopasture Research Grant

Senior Researcher, Environmental Science Department, Dickinson College, Carlisle, PA

2013-2014

- Conducted research on natural management of sheep internal parasite *Haemonchous contortus*
- Researched pasture management methods for parasite prevention and improved sheep health
- Tested Fertrell natural anthelmintic on 15 sheep using FAMACHA and McMaster's methods
- Produced a public workshop for local farmers on McMaster's Method use

Assistant Researcher, The School for Field Studies, Karatu District, Tanzania

2013

- Studied climate change impacts on and adaptation methods for agriculture in Karatu District, Tanzania
- Conducted questionnaires and focus group discussions and analyzed resulting data with PRA assessment method

Student Researcher, Dickinson College, Carlisle, PA and Durban, South Africa

2011-2012

- Completed semester intensive focused on international climate change relations
- Video interviewed conference attendees at the United Nations Conference on Climate Change in South Africa
- Produced a cumulative research report on climate adaptation initiatives in East Africa

WORK EXPERIENCE

Project Assistant, Natural Resource Conservation Service (NRCS-USDA), Harrisburg, PA

2014-2015

- Developing logo and new website for partner Pennsylvania Grazing Lands Coalition (PAGLC)
- Updating and redesigning educational conservation fact sheets, handouts, and online materials
- Organizing farmer contacts for this year's Natural Resources Inventory (NRI) data collection
- Digitizing soil maps using ArcGIS

Livestock Apprentice, Dickinson College Farm, Carlisle, PA

2013-2014

- Participated full-time in organic vegetable and natural livestock production and processing
- Oversaw daily livestock (sheep, cattle, chicken) chores and rotational grazing
- Managed onsite healthcare for livestock, including parasite management and hoof care
- 2011-2014: Worked 10/hr per week as student farm worker.

Farm Worker, Fairwinds Farm, Bowdoinham, ME

2013

- Participated full-time in vegetable production, processing, and marketing at a small-scale market and CSA farm

Co-founder, Dickinson College Idea Fund, Carlisle, PA

2011-2014

The Idea Fund, founded in 2011 by a grant of \$15,000, is a student-run incubator and loan fund for sustainability projects.

- *Executive Director: 2013-2014*
 - Oversaw the disbursement of funds on an executive board of 9 students
 - Managed internal board relations, systematic team review, and long-term strategic planning
- *Public Relations and Marketing Director: 2011-2013*
 - Lead Marketing and Public Relations team in web and print design as well as social media
 - Responsible for the growth of the fund's recognition in the greater Dickinson community
- *Summer Intern Coordinator: 2012*
 - Planned and executed a summer program for the Dickinson College Idea Fund
 - Recruited and trained 7 interns in web maintenance, project management, and strategic planning
 - Lead goal setting, systematic review, and end of program reports for individuals and the team

Global Climate Archivist Intern, Center for Sustainability Education, Carlisle, PA

2012

- Edited interview footage taken at the United Nations Conference on Climate Change
- Organized edited footage onto an online research archive

TECHNICAL SKILLS

Microsoft (Word, Excel, Powerpoint)
Geographic Information System (GIS)
Film Making (iMovie)

Adobe CS6 (Photoshop, InDesign)
Social Media (Facebook, Instagram, Twitter)
Blogging/Websites (Wordpress, Wix, Tumblr)