

Caroline Armer

Education

University of Wisconsin-Madison

B.S. in Environmental Science 2012-2016

Certificate in Global Health

Certificate in African Studies

Certificate in Geographic Information Systems 2017

Experience

Bird Conservancy of the Rockies, Kimball, NE Summer 2016,
Grassland Bird Research Intern 2017

Conducted fieldwork including occupancy surveys, nest location and monitoring, and bird banding. Created reference maps of survey areas and updated them with data collected throughout the season. Collaborated with staff from US Forest Service, CO Parks and Wildlife, Bird Conservancy, and private landowners to forward research initiatives.

SILVIS Lab, UW-Madison, Madison, WI 2016-17
Research Assistant Academic Year

Contributed to research on urban growth patterns in the wildland-urban interface. Collected data on historic wildfires, processed aerial imagery of burned areas, digitized structures within fire perimeters, and populated attribute tables. Helped develop a protocol for generating files and assessing output quality.

Stanford Woods Institute, Palo Alto, CA Summer 2016
Research Assistant

Transcribed data, created shapefiles, and obtained aerial imagery for a PhD student's research. Conducted a literature review to adapt object-oriented land cover classification and spatial interpolation techniques for future research tasks.

Volunteer Experience

UW-Madison Dept. of Geography, Madison, WI 2016
Student Volunteer Academic Year

Worked with graduate students researching land use changes and farmer-wildlife interactions in Uganda. Transcribed and processed data, visualized as shapefiles in ArcMap.

Software and Tools

Microsoft Office Suite

ArcGIS

QGIS

ENVI

Python

R

SQL

HTML/CSS

Adobe Illustrator

Adobe Photoshop

Technical Skills

Map Production

Graphic Design

Spatial Analysis

Database Management

Remote Sensing

Photography

Scientific Writing

Contact Information



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