

KILEIGH D. BROWNING
CURRICULUM VITAE

CONTACT INFORMATION

Michigan State University
Natural Resources Building
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EDUCATION

Michigan State University, East Lansing, MI
Ph.D. dual degree in Forestry and Ecology, Evolutionary Biology, and Behavior
Estimated Projected Completion Date: 2019

Elon University, Elon, NC
B.S. Environmental and Ecological Science
B.A. Statistics with a concentration in Bio-statistics
Completed: 2012

TEACHING EXPERIENCE

- 2012 **Wildlife Intern-** Bald Head Island Conservancy, Bald Head Island, NC
Guided naturalist tours of barrier island and saltmarsh ecosystems
Taught coastal ecology summer camp on research methods to ages 13-15
- 2011 **Teaching Assistant-** Environmental Studies Department, Elon University
Introduction to Environmental Science Laboratory
- 2011 **Camp Counselor-** Mathematical Connections Summer Camp

RELATED WORK EXPERIENCE

- 2014 **King Rail Field Technician**
East Carolina University and United States Fish and Wildlife Service
Mckay Island National Wildlife Refuge
Principal Investigator: Dr. Susan McRae
- 2013 **International Student**
Carl Duisberg Centren, Saarbrücken, Germany
Graduated B1/B2 Level Language Proficiency
- 2010-2012 **Undergraduate Research Assistant**
Biology Department, Elon University
Studied the effects of the interaction between two invasive species, the European Wild Boar (*Sus scrofa*) and beech bark disease, on high elevation beech gaps in Great Smoky Mountains National Park.
Principal Investigator: Dr. David Vandermast
- 2012 **Undergraduate Research Assistant**
Environmental Studies Department, Elon University
Organized data collected over the past 12 years by the North Carolina Department of Environment & Natural Resources Division of Water Quality on toxic cyanobacterial assemblages in Piedmont reservoirs.
Principal Investigator: Dr. Brant Touchette
- 2010 **Data Management Assistant**
Center for Environmental Studies, Elon University
Extended a North Carolina Division of Water Quality five year analysis for the Cape Fear River Assembly using SAS Software and ArcGIS.
- 2010 **Wildlife Field Assistant**
Elon University, North Carolina Zoological Society

Completed weekly wildlife surveys on adjacent lands for state zoo. Used radio telemetry techniques to track box turtle populations (*Terrapene carolina*); proficient in Sherman trapping techniques for small mammal species.
Principal Investigator: Dr. Joshua Kapfer

CERTIFICATIONS Mammal Tracking and Small Vertebrate Workshop Completion
Instructor: Dr. Jim Halfpenny

PUBLICATIONS

Fensin, EE, Touchette, BW, Browning, KD. 2012. Environmental factors that influence freshwater cyanobacteria. The 15th International Conference on Harmful Algae. *Conference Proceedings*.

PRESENTATIONS

2015 MSU Forestry Graduate Student Symposium
The Role of Herbivores in the story of exotic plant species (Oral Presentation)
2014 Methodist University Ecology Club, Fayetteville, NC
Journey to a Career in Ecology (Oral Presentation)
2012 Association of Southeastern Biologists Professional Conference
Interaction between beech bark disease and the European wild boar in Great Smoky Mountains National Park (Oral Presentation)
2012 National Conference for Undergraduate Research, Weber State University
Interaction of the European Wild Boar (Sus scrofa) and Beech Bark Disease in Great Smoky Mountains National Park (Poster)

SCHOLARSHIPS

2015 MSU Forestry Department Research Funding (TBD)
2014 Michigan State Plant Sciences Fellowship (\$24,000)
2013 Congress Bundestag Youth Exchange (\$5,000)
2012 Janie Crumpton Evans Reese Scholarship (\$1,000)
2011 Earl Core Student Award (\$100)
2011 Richard Carlisle Haworth Mathematics Scholarship (\$1,000)
2011 Mammal Tracking & Small Vertebrate Workshop Scholarship (\$110)
2009-2013 Elon University College Fellows Fellowship (\$28,000)

HONORS

2013 NSF Graduate Research Fellowship Program (GRFP) Honorable Mention
2009-2013 Elon University College Fellows Program

UNIVERSITY SERVICE

2014-2015 Co-founding member of Society of Conservation Biology Chapter on MSU campus (Vice President)
2014-2015 MSU Annual Forestry Graduate Research Symposium Planning Board
2014 MSU U.S. Christmas Tree Planting Event for Elementary Schools
2010-2012 Elon University Forest Committees

PROFESSIONAL SERVICE

2014-2015 Elon University Career Mentorship Program
2011 Carolina Vegetation Survey PULSE Surveys

PROFESSIONAL MEMBERSHIPS

Society for Conservation Biology (2014-2015)
Southern Appalachian Botanical Society (2011-2012)

PROGRAMMING SAS 9.2; R 3.1.1