

Curriculum Vitae – Jaime J. Coon

jjcoon2@illinois.edu | (616) 403-0856 | jaimejcoon.com
W411 Turner Hall; 1102 S. Goodwin Ave; Urbana, IL 61801

EDUCATION

- Ph.D. (in progress), University of Illinois at Urbana-Champaign** **2014–Present**
- Natural Resources and Environmental Sciences
- B.S. Summa Cum Laude, Central Michigan University** **2010–2014**
- Pre-graduate/Pre-professional Biology (major), Global Justice (minor)
- H.S. Valedictorian, Holland High School in Holland, MI** **2006–2010**

RESEARCH EXPERIENCE

- Graduate Fellow, University of Illinois at Urbana-Champaign** **2014–Present**
- **Advisor:** Dr. Jim Miller
 - **Dissertation Title:** Ecological and social responses to the invasive grass tall fescue (*Schedonorus phoenix*)
 - **Chapter 1,** Grassland birds and their arthropod prey: community responses to invasive plant control and long-term management
 - **Chapter 2,** Dinner with a dickcissel (*Spiza americana*): nestling provisioning and prey availability in the context of invasive plant control
 - **Chapter 3,** Attitudes, norms, and perceived abilities to manage invasive grasses in the rural Midwest: an application of a modified Theory of Planned Behavior
- Grassland Bird Field Technician, University of Illinois at Urbana-Champaign** **June 2014**
- Intensively searched for and monitored grassland bird nests.
- Department of Biology Undergraduate Researcher, Central Michigan University** **2011–2014**
- **Thesis,** Untangling the *Norops sericeus* complex; Advised by Dr. Kirsten Nicholson
 - **Project,** Food choice of red-shouldered hawks; Advised by Dr. Wiline Pangle

TEACHING EXPERIENCE

- Grand River Grasslands Outreach Programs, Co-Coordinator** **2016 – Present**
- **Field Technician for a Day,** 3-day internship experience for high school students
 - **Field Technician Experience for Undergraduates,** 3-month internship for college credit
- Teaching Assistant, University of Illinois at Urbana-Champaign** **2017-Present**
- NRES 100: Fundamentals of Environmental Science (grading, discussions, and guest lecture)
 - NRES 456: Integrative Ecosystem Management (grading, discussions, and guest lecture)
- Additional Guest Lectures, University of Illinois at Urbana-Champaign**
- NRES 287: Environment and Society (Apr. 2017)
 - NRES 456: Integrative Ecosystem Management (Feb. 2017)

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Mentorship of Undergraduate Students

- **Iris Bradley**, B.S. expected May 2018 – Undergraduate Research Fellow (Fall 2016-Spring 2017), Undergraduate Research Assistant (Fall 2015-Spring 2018), Undergraduate Field Assistant (May-Aug. 2016)
- **Jenna Mattes**, B.S. expected May 2020 – Undergraduate Research Fellow (Fall 2017-Present), Undergraduate Research Assistant (Fall 2016-Spring 2017)
- **Rachel Daughtridge**, B.S. expected May 2020 – Undergraduate Research Fellow (Fall 2017 - Present), Undergraduate Research Assistant (Fall 2016-Spring 2017)
- **Kat Rola**, B.S. May 2016 – Undergraduate Research Fellow (Fall 2015-Spring 2016), Undergraduate Research Assistant (Fall 2014-Spring 2015)
- **Other Undergraduate Mentees:** independent study students (3); Undergraduate Researchers Initiative students (2); undergraduate lab assistants (4); and field technicians (6)

Birds of Prey Rehabilitation and Education Intern, Wildlife Recovery Association

- Co-presenter at >30 wildlife education programs for various age and interest groups **2012–2014**

Science and Writing Tutor, Central Michigan University Athletic Services

2013–2014

- **Topics:** general biology, microbiology, genetics, organic chemistry, and writing

College 101, Passion for Wildlife Speaker

2012–2014

- Self-initiated collaboration between College 101 (nonprofit aimed at college readiness for at-risk youth) and Wildlife Recovery Association (wildlife education)
- Designed and led >15 interactive talks for at-risk students from rural and urban areas

PUBLICATIONS

**Indicates undergraduate mentees*

Nelson, SB, **JJ Coon**, WH Schacht, and JR Miller. **In Review**. Native and non-native grass composition influences cattle grazing in the context of management with prescribed fire and alternative grazing pressures. Submitted to *Agriculture, Ecosystems, & Environment*. [co-first authors]

Nelson, SB, **JJ Coon**, CM Duchardt, JR Miller, DB Debinski, and WH Schacht. **In Review**. Contrasting impacts of invasive plants and human-altered land cover on nest survival and parasitism of a grassland bird. Submitted to *Ecological Applications*.

Coon, JJ, SB Nelson, *IA Bradley, *AC West, and JR Miller. **In Press**. Parental infanticide in Dickcissels (*Spiza americana*): video evidence and a review of potential mechanisms. *Wilson Journal of Ornithology*.

Nelson, SB, **JJ Coon**, CJ Duchardt, JD Fischer, SJ Halsey, AJ Kranz, CM Parker, SC Schneider, TM Swartz, JR Miller. **2017**. Patterns and mechanisms of invasive plant impacts on North American birds: a systematic review. *Biological Invasions*, 19(5): 1547-1563. [PDF](#)

Coon, JJ, M Atkin, L Gabriel, and WM Pangle. **2015**. Food choice of red-shouldered hawks (*Buteo lineatus*) in a rehabilitation setting in Shepherd, MI: Behavioral insights from novel methods. *Journal of Wildlife Rehabilitation*, 35(2): 15-22. [PDF](#)

Coon, JJ and WM Pangle. **2015**. Too hot to handle: Climate change and adaptive evolution in vertebrates. *EvoS Journal: The Journal of Evolutionary Studies Consortium*, 7(1), 1-9. [PDF](#)

Coon, JJ. **2014**. Nature as a distant other: What the human species owes to biological communities. Honors Platform [CMU Honors Academic Journal], 2: 11-16.

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RESEARCH SUPPORT

- Coon, JJ**, JF Capozzelli, and JR Miller. Grassland birds, an invasive grass, and arthropods: exploring food web relationships using a long-term avian dataset. Iowa Ornithologists' Union Small Grant, \$1014. **2017**
- Coon, JJ**. Travel to Present at US-IALE Conference. Department of Natural Resources and Environmental Sciences' Educational Opportunity Grant, \$275. **2017**
- Coon, JJ**, and JF Capozzelli. Biodiversity in working landscapes: Help us conserve declining grassland birds in restored Midwestern grasslands. Experiment.com Crowdfunding Grant, Ornithology Challenge Winner, \$3921. **2016**
<experiment.com/grasslandbirds>
- Coon, JJ**, TM Swartz, and JF Capozzelli. Biomass sampling in the Grand River Grasslands: determining the effects of stocking rate on vegetation remaining after the growing season. Department of Natural Resources and Environmental Sciences' Educational Opportunity Grant, \$1200. **2016**
- Coon, JJ**, and JR Miller. Expanding the sample size for a grassland management land-owner survey. Illinois Sustainable Agriculture, Research, and Education (SARE) Mini-Grant, \$1500. **2016**
- Coon, JJ**. Grassland birds, an invasive grass, and arthropods: a potential trophic cascade in an actively managed landscape. Wilson Ornithological Society's Louis Agassiz Fuertes Grant, \$2500. **2016-2017**
- Nelson, SB, and **JJ Coon**. Exploring the impacts of an invasive grass on grassland bird habitat selection, behavior, and fitness. Garden Club of America Frances M. Peacock Scholarship for Native Bird Habitat, \$4500. **2016**
- Coon, JJ**, JR Miller, SB Nelson, MD Coon, L Wright Morton, and J Rusk. Agricultural, ecological, and social responses to an invasive grass and its removal in working Midwestern grasslands. USDA North-Central Region Sustainable Agriculture, Research, and Education (SARE), Graduate Student Grant GSP15-038, \$9,977. **2015-2018**
- Coon, JJ**, and KE Nicholson. The *Norops sericeus* lizard complex: Untangling species relationships. Central Michigan University Biology Department Tom and Nancy Storch Research Award, \$3000. **2013**
- Coon, JJ**, and KE Nicholson. The *Norops sericeus* lizard complex: Untangling species relationships using nuDNA. Central Michigan University Undergraduate Research Award, \$500. **2013**
- Coon, JJ**, and KE Nicholson. The *Norops sericeus* lizard complex: Untangling species relationships using mtDNA. Central Michigan University Undergraduate Research Award, \$500. **2012**

PRESENTATIONS

**Indicates undergraduate mentees*

- Duchardt, CJ, **JJ Coon**, and JR Miller. **May 2017 (Invited)**. Grassland bird response to fire, grazing, and herbicide. Oral presentation at the Grand River Grasslands Symposium: Ten Years of Research - Key Findings and Future Directions in Lamoni, IA.

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- Coon, JJ, LW Morton, and JR Miller. May 2017 (Invited).** Landowner attitudes toward non-native plants, native wildlife, and grassland management. Oral presentation at the Grand River Grasslands Symposium: Ten Years of Research - Key Findings and Future Directions in Lamoni, IA.
- Coon, JJ, JR Miller. Apr. 2017.** Habitat and livelihoods: the effects of a non-native plant on grassland wildlife in a complex human-dominated environment. Poster at the US Section of the International Association for Landscape Ecology (US-IALE) in Baltimore, MD.
- Nelson, SB, **JJ Coon**, *IA Bradley, and JR Miller. **March 2017.** Defining the consequences of anthropogenic habitat change: Impacts of plant invasions and land conversion on grassland bird nest ecology. Oral presentation at the Midwest Ecology and Evolution Conference in Urbana, IL.
- Coon, JJ, and JR Miller. Feb. 2017.** Grassland bird response to removal of the invasive grass tall fescue (*Schedonorus phoenix*). Oral presentation at the Graduates in Ecology and Evolutionary Biology Symposium in Urbana, IL.
- Coon, JJ and JR Miller. Feb. 2016.** Tall fescue in a social-agricultural system. Poster at the Graduates in Ecology and Evolutionary Biology Symposium in Urbana, IL. (Best Poster Award)
- Coon, JJ and JR Miller. Apr. 2015.** Tall fescue as a dual ecological-agricultural problem: the effects of an invasive grass on avian communities in an agricultural landscape. Poster at the Illinois Chapter of The Wildlife Society (ICTWS) Meeting in Urbana, IL.
- Coon, JJ. Apr. 2015.** Women scientists, gendered environmental movements, and climate change vulnerabilities: A call for public and private empowerment. Oral presentation at the Initiative on Climate Adaptation Research and Understanding through the Social Sciences (ICARUS) Fourth Global Meeting in Urbana, Illinois.
- Coon, JJ and B Bechtold. Apr. 2014.** Global justice issues and personal responsibility: ecological connections. Poster at CMU SRCEE in Mount Pleasant, MI.
- Coon, JJ and KE Nicholson. Mar. 2014.** The *Norops sericeus* lizard complex: conservation implications of phylogenetic research. Invited poster at the Posters at the Capitol event in Lansing, MI.

Presentations Led by Undergraduate Mentees

- *Bradley, IA, **JJ Coon**, SB Nelson, and JR Miller. **Apr. 2017.** Caught on camera: Provisioning behavior of a grassland songbird species of conservation concern. Poster at the Undergraduate Research Symposium in Urbana, IL.
- *Dong, S, *C Wessman, **JJ Coon**, and JR Miller. **Apr. 2017.** Conservation in working landscapes: controlling invasive species on private land. Poster at the Undergraduate Research Symposium in Urbana, IL.
- *Johnson, J, and JR Miller. **Apr. 2017.** Conservation in human-dominated grasslands of the Midwest: ponds, cattle grazing, and shrub encroachment. Poster at the Undergraduate Researchers Initiative Symposium in Urbana, IL.
- *Wendling, A., and JR Miller. **Apr. 2016.** Effects of land use on grassland biodiversity: birds, arthropods, and amphibians. Poster at the Undergraduate Researchers Initiative Symposium in Urbana, IL.
- *Rola, KE, **JJ Coon**, and JR Miller. **Mar. 2016.** Effects of arthropod abundance within dickcissel (*Spiza americana*) territories on nestling body condition. Poster at the Midwest Ecology and Evolution Conference (MEEC) at Miami University in Oxford, OH.

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HONORS

- Garden Club of Downer’s Grove, Janet Leiwehr Memorial Scholarship **2016**
- Best Poster Award, Graduates in Ecology and Evolutionary Biology **2016**
- UIUC Distinguished Fellowship (12-month, 3-year appointment) **2014-2017**
- CMU Honors Program Outstanding Senior Project Award, Sciences **2014**
- CMU Social and Behavioral Sciences Paper Competition, Honorable Mention **2014**
- CMU Biology Department, George R. Wheeler Scholarship **2012, 2013**
- CMU Udall Scholar Nominee/National Scholarship Nominee Award **2012, 2013**
- CMU Robert Newby Fund to Support Student Diversity Efforts **2012**
- CMU President’s List (4.0 GPA) **2010-2014**
- CMU Centralis Scholar Award (4-year full scholarship + stipend) **2010-2014**
- National Merit Commended Scholar **2010**
- National Advanced Placement Scholar **2010**
- Detroit News/Catch Outstanding Scholar Award **2010**

PROFESSIONAL SERVICE

- Grad Student Member, Environmental Justice Faculty Search Committee (UIUC NRES) **2017**
- Grad Student Welcome Event Poster Presentation (UIUC Graduate College) **2017**
- Grad Student Welcome Panel (UIUC NRES) **2017**
- Judge, Capstone Presentations by Undergraduate Seniors (UIUC NRES) **2017**
- Judge, Graduate Students in Ecology and Evolutionary Biology Symposium (UIUC NRES) **2017**
- Panelist, Grad School Prep Event (UIUC NRES) **2016**

AFFILIATIONS

- US Regional Association of the International Association for Landscape Ecology **2017-Present**
- 500 Women Scientists, Champaign-Urbana Pod **2017-Present**
- American Ornithology Society (formerly AOU/COS) **2015-Present**
- Association of Field Ornithologists **2015-Present**
- Wilson Ornithological Society **2015-Present**
- Graduate Women in Science **2015-Present**
- CMU Honors Platform Science Editor [Undergraduate Academic Journal] **2013-2014**
- CMU Honors Program **2010-2014**