

Jeffrey Alexander Brown *Curriculum Vitae*
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Department of Ecology and Evolutionary Biology, Rutgers University

Education

- Rutgers University-New Brunswick** [2014-Present] **GPA 4.00**
--PhD Candidate in Ecology and Evolutionary Biology
- Rice University** Houston, TX [2010-2014] **GPA 3.51**
--B.S. in Ecology and Evolutionary Biology
- Medfield High School** Medfield, MA [2006-2010] **GPA 3.77**

Teaching Experience

- Animal Behavior**. Instructor. Rutgers University. 2017
--Created and taught the Animal Behavior Summer 2017 course. This involved designing the structure of the course and making all associated materials including lectures, projects, and exams. This was a comprehensive course that linked evolutionary and developmental causes of behavior and the impact that behavior has in animal's life history.
- Vertebrate Zoology**. Lab instructor | Head T.A. Rutgers University. 2017-Present
--Taught and created lab sections for the course. Restructured the labs changing them from purely a taxonomic labs to interactive and practical labs. Helped other T.A. learn material and set up labs.
- Principles of Natural Resource Management**. T.A. Rutgers University 2016-Present
--Organized student projects. Set up labs. Graded essays, lab reports, and exams
- Ornithology**. T.A. Rutgers University 2016
--Organized identification exams, led field trips, and graded assignments
- Life of Birds**. Co-Instructor with J.L. Lockwood. Rutgers University. 2014
--This was a special Byrne Seminar designed to let freshmen students work closely with researchers. Half the course was taught by myself, the other half by Julie Lockwood. Course focused on how and why one might study birds. Sampling techniques were practiced on field trips and students learned to record and organize databases.
- Wildlife Ecology and Conservation Biology**. T.A. Rutgers University. 2014.
--Taught basic population growth and management models in computer based lab sessions. Helped organize student projects and answer any lab based questions.
- Brown Tutoring LLC** 2014-Present
--Range of online tutoring services for high school and undergraduate students. Lessons are one on one and catered specifically to student's needs.
- Varsity Tutor**. Varsity Tutors 2012-2014
--Tutor Math and Science as well as AP Prep.
- Academic Mentor** Biology 201 and Biology 202. Rice University 2013-2014
--Lead study sessions for students before exams and held hours to assist with homework

Mentoring

- Caroline Beardsley**. 2016- Present. Rutgers University Undergraduate. Worked with me to sort samples collected from field work as an Aresty undergraduate. Learned insect identification and basic lab protocol. Has gone on to become an Aresty mentor. Currently a co-author on an upcoming publication.
- James Duffy**. Summer 2016. Rutgers University Undergraduate. Field technician. Taught point count protocols, how to select sample sites, and data organization and management.
- Zach Vincent**. Summer 2016. Briarcliff High School Student. Worked on experimental design and set up. Helped with collections for third chapter of dissertation. Used what he learned to replicate project on smaller scale for high school honors course.
- Renee Artigues**. Summer 2015. Rutgers University Undergraduate. Taught how to set up a pilot study. Helped conduct point counts and collect data.

Funding, Grants and Awards

- Best Speed Talk in the Student Conference on Conservation Science- New York**. Center for Biodiversity and Conservation at the American Museum of Natural History. 2017
- Hutcheson Memorial Forest Grant Summer Grant**. Hutcheson Memorial Forest Center. 2017. [\$992]
- Teaching Assistant/Graduate Assistant Professional Development Grant**. Rutgers University. 2017 [\$987]
- McIntire-Stennis Capacity Grant**. USDA. J. L. Lockwood, **Jeffrey Brown**. 2016-2018. [\$54,000]

- Teaching Assistant/Graduate Assistant Professional Development Grant.** Rutgers University. 2016 [\$1,304]
- Smithsonian-Mason Certificate in Estimating Animal Abundance.** 2015- Displayed knowledge of the programs MARK, PRESENCE, and DISTANCE. Awarded to those who successfully completed the Estimating Animal Abundance course offered by the Smithsonian-Mason Conservation Institute.
- Hutcheson Memorial Forest Grant Summer Grant.** Hutcheson Memorial Forest Center. 2016 [\$2,600]
- Teaching Assistant/Graduate Assistant Professional Development Grant.** 2015 Rutgers University. [\$2,917]
- Hutcheson Memorial Forest Summer Grant. Jeffrey Brown** and Katherine Fenn. Hutcheson Memorial Forest Center. 2015 [\$2,000]
- Special Studies and Pre-Dissertation Grant. Jeffrey Brown** and Julie Lockwood. Rutgers University. 2015 [\$1,400]
- Luis F. Bacardi Award for Advances in Tropical Conservation.** Biotropica. 2015. Haldre Rogers, **Jeffrey Brown**, Tim Harvey-Samule, Ross Miller, Janneke HilleRisLambers, Joshua Tewksbury

Presentations & Talks

- "Loss of Songbirds in Small Urban Protected Area: A Sign of Things to Come?" **Jeffrey Brown**, Julie L. Lockwood, Julian Avery, Kevin Aagaard, Curtis Burkhalter, Katherine Fenn. SCCS 2017. American Museum of Natural History.
- "Impact of Novel Light Sources on Arthropod Communities". Caroline Beardsley*, **Jeffrey Brown**, Julie L. Lockwood. SCCS 2017. American Museum of Natural History.
- "How Small is Too Small? The Role of Size and Surrounding Landscape on Bird Communities in an Urban Landscape". **Jeffrey Brown**, Julie L. Lockwood, Katherine Fenn. Ecological Society of America. 2017. Portland Convention Center
- "How Small is Too Small? Why the Size and Surrounding Landscape Matters when Planning Protected Spaces". **Jeffrey Brown**, Julie L. Lockwood, Katherine Fenn. International Urban Wildlife Conference. 2017 San Diego State University
- "Role of Size and Surrounding Landscape on Protected Areas". **Jeffrey Brown**, Julie L. Lockwood, and Katherine Fenn. Rutgers Ecology Graduate Student Association. 2017. Rutgers University
- "Influence of Novel Light Sources on Arthropod Communities". **Jeffrey Brown**, Julie L. Lockwood, and Caroline Beardsley. HMF Research Symposium. 2017. Rutgers University.
- "Lightning Talk: Bird Community Shift in a Small Protected Area". **Jeffrey Brown**, Julie L. Lockwood, Julian Avery, J. Curtis Burkhalter, Kevin Aagaard, and Katherine Fenn. Annual Rutgers, Princeton, Penn, and Columbia Meeting. 2016. University of Pennsylvania.
- "Songbird Community Shifts at HMF". **Jeffrey Brown**, Julie L. Lockwood, Julian Avery, J. Curtis Burkhalter, Kevin Aagaard, and Katherine Fenn. Rutgers Ecology Graduate Student Association Seminar. 2015. Rutgers University.
- "How Protective are Protected Areas?". **Jeffrey Brown**. Gathering of Rutgers Earth, Environmental, and Natural Sciences. 2015. Rutgers University.
- "Brown Tree Snake's Impact on Guam". **Jeffrey Brown**. Rutgers Ecology Graduate Student Association Seminar. 2015. Rutgers University.
- "My Path to Graduate School". **Jeffrey Brown**. Principles of Biology Invited Talk. 2014. Rutgers University.
- "Bird Mediated Control of Spiders in the Marianas". **Jeffrey Brown** and Haldre Rogers. Rice Undergraduate Research Symposium. 2014. Rice University.
- "Understanding Spider Stablimenta". **Jeffrey Brown**. Lamar High School Science Day. 2014. Lamar High School.
- "Benefits of Incorporating a Habitat Garden to Campus". **Jeffrey Brown** and Jesse Passman. Rice R.E.S.E.T. Grant Bids. 2013. Rice University
- "Comparison of Insect Pollinators on Guam Saipan using Pan Traps". Christopher Roy, **Jeffrey Brown**, and Haldre Rogers. Rice Undergraduate Research Symposium. 2013. Rice University

Publications

- In Review (invited paper): AE Sorensen, RC Jordan, G Blaise, **J Brown**, LK Campbell, M Aronson, M Johnson. "Public willingness to participate in urban restoration stewardship programs: Linkages between ecological knowledge, environmental identity, and motivations". *Arboriculture and Urban Forestry*. 2017
- A. Safiq, JL Lockwood, **J Brown**. "Homogenization of Fish Assemblages off the Coast of Florida". *Biocultural Homogenization*. 2017.
- In Prep: **J Brown**, JL Lockwood, JD Avery, JC Burkhalter, K Aagaard, KH Fenn. "Evaluating the long-term effectiveness of terrestrial protected areas: a 40-year look at forest bird diversity". Submitting to *Biologic Conservation*. 2017

Service

Reviewer:

--*Ecological Restoration*. Review requested by associate editor Myla Aronson

--*Urban Naturalist*. Review requested by editor Brooke Maslo

Oros Nature Preserve Bird Walk Leader [2016-present].

-lead public tours of Oros Nature Preserve. Tours focus on teaching locals about local wildlife, how to identify it, and its importance.

Aresty Seminar Judge [2015,2017]

-The Aresty Seminar is a undergraduate research fair. As a judge, I give feedback and assess multiple posters and presentations from students in the department of Environmental and Natural Sciences.

Ecology Graduate Student Associate Member

-Fundraising Chair [2015-Present]. Coordinate activities and the sale of good to raise money for the Ecology Graduate Student Association at Rutgers University. Funds from these events and sales go toward hosting speakers and providing small scholarships for EcoGSA members.

-Treasurer [2016-2017]. In charge of all funds associated with the EcoGSA. Responsible for reimbursing individuals as well as filling out all necessary paperwork to register events on campus.

Hutcheson Memorial Forest Tour Guide [2015-Present]

-Lead walks at Hutcheson Memorial Forest. These walks encourage people to learn about the historic forest and why its conservation is important.

Ecology of Bird Loss Project [May 2013-August 2013]

Head Field Tech

-Ran the Guam field house when PI absent.

-Taught new field techs tree tagging and mapping techniques

Rice Department of Ecology and Evolutionary Biology [2012-2014]

Lab Assistant

Rice University Community Garden Leader [2012-2014]**Orientation Week Coordinator** [2012, Rice University]

-Organized 35 student advisors

-Planned orientation week for incoming freshmen class

-Provided information and advising about academic and social aspects of Rice University

Baker College Student Government[Rice University]

Senior Representative[2013-2014]

Merchandise Representative[2012-2013]

Freshmen Representative [2010-2011]