

Tyler Hohenstein

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About Me

I am a recent graduate from the University of Maine's School of Natural Sciences and Forestry. My current goal is to gain field experience the area of avian ecology and taxonomy with the aim of applying to a graduate program in for Fall 2019. I have plenty of experience flushing birds into mist nets, conducting night surveys, banding and handling raptors, and I have excellent bird ID skills (both visually and by ear, especially with respect to raptors, nightjars, and rails). I am in great shape and can endure whatever difficult working conditions I may encounter in the field. I also have excellent writing and analytical skills, an attention to detail, and I am independent and self-motivated. I believe these qualities would make me a useful asset to your research crew.

Education

B.S. | MAY, 12TH 2018 | UNIVERSITY OF MAINE

- Biology: focus in Ecology
- 3.0 Cumulative GPA
- 3.3 In-Major GPA

SOFTWARE SKILLS:

- R Studio
 - Proficient in Distance and Limma as well as most default packages for R studio, and able to learn how to use new packages quickly.
- Proficient in the use of both IBM SPSS and Microsoft Excel for statistical analysis
- Bioinformatics research
 - Capable with tools such as Biomart, Galaxy, Cytoscape, as well as a wide variety of genome browsers and genomic databases.

Experience

SENIOR CAPSTONE | 2018

- Estimated male Chestnut-sided Warbler density from distance observations recorded between 2007 and 2009 in Northern Wisconsin among tree stands of three different harvest treatments: hardwood canopy retention, conifer canopy retention, and no canopy retention. I then examined the relationships between harvest treatment, and male density, nest success rate, and a variety of habitat variables recorded at the same time as the distance observations. I then used this information to suggest which forest management strategies will work best for both land managers and wildlife.

INDEPENDENT STUDY IN BIOLOGY | SUMMER 2016

- Conducted a review of literature and wrote a review paper of the current and projected effects climate change is having and will have on migratory bird populations, and suggested possible conservation strategies that should be adopted to mitigate damage to ecosystems.

FIELD TECHNICIAN VOLUNTEER | SUMMER 2017

- Conducted point surveys for Black Rails throughout coastal Georgia with the Center for Conservation Biology at The College of William and Mary. My responsibilities included broadcasting Black Rail vocalization recordings and recording observed vocalizations of various Rail species and Chuck-will's-widow for each point count.
- Assisted in the Smithsonian Environmental Research Center's annual census of their Global Change Research Wetland. Recorded the biomass of sedges found in chambers treated with varying levels of warming and CO₂ concentration. This study aims to simulate the effects various projected climate change scenarios for the year 2100 would have on marsh ecosystems.
- Assisted Lance and Jill Morrow in observing American Kestrel nest boxes and banding chicks in the Shenandoah Valley.

CAMP COUNSELOR, PINECREST SUMMER PAVILION | SUMMER 2014-SUMMER 2016

- Supervised campers k-6th grade.
- Instructed sessions on astronomy, engineering, art, and sports

CAMP COUNSELOR, AMERICAN INLINE SKATEBOARD CAMP | SUMMER 2009-SUMMER 2012

- Supervised and provided skateboarding instruction to campers.

DISC JOCKEY AT THE UNIVERSITY OF MAINE RADIO STATION | SPRING 2016-SPRING 2018

- Performed a weekly music radio show on WMEB 91.9FM in Orono, ME

Activities and Awards

- PSAT National Merit Scholar Commended Student
- Awarded four-year University of Maine Presidential Merit Scholarship
- University of Maine Dean's List
- Member of the University of Maine Men's Club Soccer team
- Selected to participate in the 2013 Cornell Young Birders Event
 - Travelled to Ithaca, NY to work with and learn from staff at the Cornell Ornithology Lab

References

BRIAN OLSEN

- Assistant Professor of Biology and Ecology at the University of Maine
- brian.olsen@maine.edu
- (207) 581-2542

AMBER ROTH

- Assistant Professor of Forest Wildlife Management at the University of Maine
- amber.roth@maine.edu
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FLETCHER SMITH

- Research Biologist for the Center of Conservation Biology at the College of William and Mary
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