

# SARAH HURLEY

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## Education

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May 2018 **M.S. Biodiversity and Conservation Biology**  
December 2017 **B.S. Ecology and Evolutionary Biology**  
University of Connecticut, Storrs, CT  
GPA: 3.45/4.00

## Research Experience

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- November 2016 – present **Carlos Garcia-Robledo Lab, *Research Assistance***  
University of Connecticut, Storrs, CT
- Building low cost thermostats and thermal incubators in preparation for research studying climate change effects on insect survival
  - Designing, calibrating, and testing critical thermal maximum and minimum equipment by collecting temperature variation data for devices; ran analyses and created visualizations of this data in R
- June 2017 – September 2017 **Kerry Mauck Lab, *Research Fellow***  
**NSF Research Experience in Integrated Computational Entomology**  
University of California, Riverside, CA
- Conducted experiments to study fitness of whiteflies on melon and *Arabidopsis* plants after preinfestation of whiteflies positive for Rickettsia symbiosis
  - Analyzed electrical penetration graph data of aphid feeding behavior using multivariate statistics and other visualizations using R and Minitab
- September 2016 – December 2016 **Dave Wagner Lab, *Undergraduate Assistant***  
University of Connecticut, Storrs, CT
- Assisted in the curation and pinning of unique moths to museum quality specimens, which were then deposited into the biology collections and used for research
- May 2016 – August 2016 **Cleveland Museum of Natural History, *Student Intern***  
Cleveland, OH
- Identified and sorted a large collection of neotropical praying mantis specimens to family and genus using taxonomic keys and morphological features to help organize museum collections for improved specimen care and research
  - Illustrated unique morphological mantis characteristics using Adobe Illustrator to help describe newly identified species
  - Updated existing information and transcribed latest information into Excel regarding the identification and localities of specimens

## Work Experience

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January 2018 – **Joshua's Trust, *Website Intern***

present Mansfield Center, CT

- Serving as content architect to review the Joshua's Trust website and identify where updates and additional information is needed
- Researching and reviewing other land trust websites to identify best practices and avoid pitfalls
- Working with staff to add videos, maps, interactive tours, and other creative elements
- Writing website content such as explaining conservation easements vs. restrictions and explaining conservation values

January 2018 – **University of Connecticut, *Teaching Assistant***

present

- Co-teaching four sections of Foundations of Biology for non-majors
- Presenting brief lectures on the topic of the lab, guiding students through lab procedures, and grading homework, quizzes, and exams

September 2017 – **Carlos Garcia-Robledo Lab, *Data Entry Assistant***

present University of Connecticut, Storrs, CT

- Organizing and updating beetle fecundity data collected from a field station in Costa Rica into multiple Excel spreadsheets

## Volunteer Experience

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December 2017 **Winter Craft Fair for Make-A-Wish CT, *Coordinator***

Southington, CT

- Organized and coordinated a craft fair to raise money for Make-A-Wish CT

September 2014 – **Lutz Children's Museum, *Animal Care Volunteer***

January 2015 Manchester, CT

- Assisted in the care, feeding, and enrichment of many rescued wildlife and domestic animals by following specialized diets and cleaning schedules for each individual

## Field Courses

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**General Entomology** Collected, identified, and curated a collection of 100+ insect families

**Methods of Ecology** Learned many field methods and techniques, designed and conducted an independent field research project

**Aquatic Plant Biology** Travelled to wetlands throughout the state to study Connecticut's aquatic plant diversity

**Field Herpetology** Studied the complete diversity of reptiles and amphibians throughout Connecticut, conducted an independent field research project

## Skills and Abilities

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- Software (R, Adobe Illustrator and Photoshop, MS Excel, MS Word, MS PowerPoint, and Minitab)
- Excellent data visualization skills
- Able to organize and manage datasets
- Excellent written skills
- Strong interpersonal skills
- Skilled in insect identification, collection, and curation