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1201 W. Blaine St.  
Riverside, CA, 92507

**EDUCATION**

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- PhD** University of California—Riverside, Entomology Oct. 2020–Present
- MS** University of Florida, Entomology and Nematology Jan. 2017–May 2019  
Thesis: “Permethrin use on deer farms in Florida, potential for sequestering in deer and influence on resistance development in *Culicoides*.”  
Advisor: Dr. Emma Weeks
- BS** University of Florida, Wildlife Ecology and Conservation Aug. 2012–Dec. 2016  
Graduated Summa Cum Laude  
Minored in Entomology and Nematology

**HONORS AND AWARDS**

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- Graduate Student Virtual Poster Competition** 2017  
Entomological Society of America Medical Urban and Veterinary Entomology category,  
Second place

**RESEARCH EXPERIENCE**

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- Thesis**, University of California, Riverside, CA 2020–Present  
Advisor: Dr. Alec Gerry
- Thesis**, University of Florida, Gainesville, FL 2017–2019  
Advisor: Dr. Emma Weeks
- Evaluate use and perception of pesticides for weed, arthropod, and *Culicoides* management on deer farms in the state of Florida

- Determine if permethrin applied for arthropod-management is sequestering in farmed deer
- Determine if there is insecticide resistance in field caught *Culicoides*

**University of Florida**, Gainesville, FL

2016–2017

**Lab Technician**, Kaufman Lab, Entomology and Nematology

- Sexual differentiation of flies
- Assisting in rearing and maintenance of fly colonies
- Assisting in bioassays to determine semiochemical effectiveness on horn flies and stable flies

**Natural Area Teaching Lab Wildlife Intern**, University of Florida, Gainesville, FL

**Intern**, Natural Area Teaching Lab (NATL)

- Assessing presence of animals in NATL

**Independent Research**, University of Florida, Gainesville, FL

2015–2017

**Researcher**, Weeks Lab, Entomology and Nematology

- Studying possible mechanisms behind clustering of eggs in the common bed bug

**Independent Research**, University of Florida, Gainesville, FL

2015–2016

**Researcher**, McCleery Lab, Wildlife Ecology and Conservation

- Assessing response of marsh rabbit willingness to feed in response to native and invasive predator presence

**IFAES Summer Research Internship**, University of Florida,  
Gainesville, FL

2015-2015

**Intern**, Weeks Lab, Entomology and Nematology

- Investigating clustering in the common bed bug

**Bird song analysis**, University of Florida, Gainesville, FL

2015-2015

**Analyst**, Sieving Lab, Wildlife Ecology and Conservation

- Assisting graduate student in analyzing bird song data

- Using Avisoft software to separate bird songs and calls of tropical species for use in training software to identify birds without human aid

## TEACHING EXPERIENCE

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**University of Florida**, Gainesville, Florida

Jan. 2017–May 2017

**Teaching Assistant**, Entomology and Nematology

- Assist students with academics, lecture on entomology topics, assist with grading of assignments, exams, and projects.

## PRESENTATIONS AND INVITED LECTURES

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**Invited speaker**, “Pesticide perception and use on deer farms in Florida and its influence on resistance development in *Culicoides* (Diptera: Ceratopogonidae),” Entomological Society of America 66<sup>th</sup> Joint Annual Meeting. MUVE section. “Entomology without borders: Tackling insecticide resistance through science, extension, and collaboration.” November 11<sup>th</sup>-14<sup>th</sup>, 2018.

**Poster presentation**, “Permethrin sequestering in the serum of white-tailed deer (*Odocoileus virginianus*),” Wildlife Disease Association 67<sup>th</sup> Annual International Conference, August 5<sup>th</sup>-10<sup>th</sup>, 2018.

**Graduate student virtual poster competition**, “Determining the lethal concentrations of permethrin for a laboratory reared colony of *Culicoides sonorensis* (Diptera: Ceratopogonidae),” Entomological Society of America 65<sup>th</sup> Joint Annual Meeting. MUVE section. November 5<sup>th</sup>, 2017.

**Poster presentation**, “*Culicoides*, pesticides, and deer health,” Cervidae Health Research Initiative: 1<sup>st</sup> Annual Science Symposium, March 28<sup>th</sup>, 2017.

**Undergraduate student oral presentation competition**, “Egg clustering in the common bed bug (*Cimex lectularius*),” Entomological Society of America Southeastern Branch Meeting, March 14<sup>th</sup>, 2016.

## **PROFESSIONAL AFFILIATIONS**

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**Graduate Student Mentorship Program, University of California—Riverside, 2020–Present**

**Student Mentee, Oct. 2020–Present**

**Insects 4 Inclusion, University of California—Riverside, 2020–Present**

**Member, 2020–Present**

**Entomology Graduate Student Association, University of California—Riverside, 2020–Present**

**Member, 2020–Present**

**2020 Cohort Outreach Coordinator, 2020–Present**

**LGBTRC, University of California—Riverside, 2020–Present**

**Member, 2020–Present**

**Entomology and Nematology Student Organization, 2017-2019**

**Seminar Lunch Coordinator, 2017–2017.** Coordinate with seminar speakers and graduate students to plan seminar lunches.

**Member, June 2017-May 2019**

**Wildlife Disease Association, 2017–Present**

**Student Member**

**Wildlife Disease Association Student Chapter, 2017–2019**

**Secretary, 2017–2018.** Communicate with members and public about upcoming events and organization news. Maintain social media accounts.

**Event coordinator, 2018–2019.** Organize events and fundraisers.

**Entomological Society of America, 2016–Present**

**Student member.**

## **PUBLICATIONS**

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**Harmon, L. E, K. A. Sayler, N. D. Burkett-Cadena, S. M. Wisely, and E. N . I. Weeks. 2020.** Management of plant and arthropod pests by deer farmers in Florida. *J. Int. Pest Management.* 11. DOI: 10.1093/jipm/pmaa011

## **OTHER EXPERIENCE**

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**Fiscal Office Assistantship**, University of Florida, Gainesville, FL

**Entomology and Nematology**, 2017–2019

- Process paperwork and organize fiscal information of faculty, graduate students, and post-doctorates

**Volunteer**, University of Florida, Gainesville, FL

**Natural Area Teaching Lab**, 2017–2019

- Maintain social media page

## **SKILLS**

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- **Analysis in RStudio:** univariate statistics, multivariate statistics
- **Necropsy techniques**
- **Molecular techniques for insecticide resistance detection**
- ***Culicoides* species identification**
- **Insect identification**
- **Colony maintenance and rearing:** mosquito, horn fly, house fly, stable fly, bed bug
- **Determining the sex of flies and bed bugs**
- **Center for disease control and prevention bottle bioassays**
- **GC-MS/MS operation**