

# Evan Waite

Collections Manager, Florida State Collection of Arthropods  
Florida Department of Agriculture and Consumer Services  
Division of Plant Industry  
1911 SW 34<sup>th</sup> St. Gainesville, FL 32608

Evan.Waite@fdacs.gov

[Research Collection](#)

[ORCID ID](#)

[Identified/Collected Specimens](#)

## **Education:**

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**Ph.D.**, Evolutionary Biology, School of Life Sciences, Arizona State University, Expected 2025

**M.S.**, Biological Sciences, Department of Biological Science, “Differential responses of grassland ground beetle (Coleoptera: Carabidae) communities to Conservation Reserve Program management practices”, Wichita State University, July 5, 2019

**B.S.**, Entomology, Entomology and Nematology Department, University of Florida, April 29, 2017

## **Research Experience and Employment:**

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2025-Present Collections Manager, Florida State Collection of Arthropods, Division of Plant Industry, Florida Department of Agriculture and Consumer Services

2019-Present Graduate Research Assistant, Systematics Lab (Nico Franz), School of Life Sciences, Arizona State University, August 2019- Present

2020-2020 Research Assistant and Project Lead, Mormon Cricket Non-Target Study, USDA, January- June

2017-2019 Graduate Research Assistant, Biodiversity Lab (Mary Liz Jameson), Department of Biological Science, Wichita State University, August 2017- July 2019

2015-2017 Undergraduate Research Assistant, Insect Systematics Lab (Marc Branham), Department of Entomology and Nematology, University of Florida, January 2015-August 2017

2016 Undergraduate Research Assistant, UF/IFAS Summer Research Internship Program, Urban Entomology Lab (Phil Koehler), Department of Entomology and Nematology, University of Florida, April-August 2016

2015-2016 Undergraduate Research Assistant, Insect Evolution Lab (Andrea Lucky),  
Department of Entomology and Nematology, University of Florida, September  
2015-May 2016

**Publications: \*denotes undergraduate authors**

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- East, A., E. Compolongo, L. Meyers, S.M. Rayeed, S. Stevens, I. Zarubiieva, I.E. Fluck, J. Giron, M. Jousse, S. Lowe, K. Perry, I. Betancourt, N. Charney, E. Donoso, N. Fox, K. Landsbergen, E. Nepovinnikh, M. Ramirez, P. Singh, K. Thapa-Magar, M. Thompson, **E.S. Waite**, T. Berger-Wolf, H. Lapp, P. Mabee, G. Taylor, S. Record. Optimizing image capture for computer vision-powered taxonomic identification and trait recognition of biodiversity specimens. Submitted: *Methods in Ecology and Evolution*, May 2025
- West, N., J.W. Campbell, T. Rand, **E.S. Waite**, C. Palmrose-Kreiger, Z. Sylvain, D. Branson. Oil pads harbor higher Carabidae (Coleoptera) abundances and species richness - But fall short of reestablishing the native prairie community. *Environmental Entomology*, 2025:1-10 <https://doi.org/10.1093/ee/nvaf037>
- S.M. Grodsky, J.W. Campbell, K.A. Roeder, **E.S. Waite**, E.R. Wright\*, M.A. Johnston. 2024. Mixed responses of tenebrionid beetles to solar energy development in the Mojave Desert. *Journal of Arid Environments*, 225, 105243, <https://doi.org/10.1016/j.jaridenv.2024.105243>
- Waite, E.S.** and Johnston, M.A. *Discoderus* LeConte species exhibit episodic emergences in both urban and natural environments of Arizona, USA (Coleoptera: Carabidae). *The Coleopterists Bulletin*, 78(1): 1-8, <https://doi.org/10.1649/0010-065X-78.1.1>
- Mason, Jr., S.C., V.M. Shirey, **E.S. Waite**, M. Gallagher, and N. Skowronski. 2023. Exploring prescribed fire severity effects on ground beetle (Coleoptera: Carabidae) taxonomic and functional community composition. *Fire*, 6(9), <https://doi.org/10.3390/fire6090366>
- M.A. Johnston, **E.S. Waite**, E.R. Wright\*, G.J. De Leon\*, A.I. Esquivel\*, J. Kerwin\*, M. Salazar\*, E. Sarmiento\*, T. Thiatmaja\*, and S. Lee. 2023. Insect collecting bias in Arizona with a preliminary checklist of beetles from the Sand Tank Mountains. *Biodiversity Data Journal*, 11(2), <https://doi.org/10.3897/BDJ.11.e101960>
- Waite, E.S.**, G.R. Houseman, W.E. Jensen, M.R. Reichenborn, M.L. Jameson. 2022. Ground beetle (Coleoptera: Carabidae) responses to cattle grazing, grassland restoration, and habitat across a precipitation gradient, *Insects*, 13:696 <https://doi.org/10.3390/insects13080696>
- Sullivan, B.K. and **E.S. Waite**. 2021. *Sonora semiannulata* (Variable Ground Snake). Predation. *Herpetological Review*, Natural History Notes 52(1): 170-171.
- Waite, E.S.** and Chaboo, C.S. 2020. Aruba is a new country record for *Hemisphaerota cyanea* (Say, 1824) (Coleoptera: Chrysomelidae: Cassidinae: Hemisphaerotini). *The*

*Coleopterists Bulletin*, 75(2): 330-333. <https://doi.org/10.1649/0010-065X-75.2.330>

- Campbell, J.W., Keller, O., Viguiera P.A., Viguiera, C.C, **Waite, E.S\***, and Greenberg, C.H. 2018. The response of beetles (Coleoptera) to repeated application of prescribed fire and other fuel reduction techniques in the southern Appalachian Mountains. *Forest Ecology and Management* 429: 294-299. <https://doi.org/10.1016/j.foreco.2018.07.022>
- Mason, Jr., S.C., **E.S. Waite**. Ground beetles (Coleoptera: Carabidae) of Franklin Parker Preserve in the NJ Pinelands. In Prep. Target Journal: Entomological News.
- Reily, B.H., **E.S. Waite**, J.M. Leavengood. First records of *Isohydnocera albocincta* (Horn, 1871) (Coleoptera: Cleridae: Hydnocerinae: Hydnocerini) in Kansas and Oklahoma. In Prep. Target Journal: Journal of the Kansas Entomological Society

### **Research Presentations:**

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- 2024 **Waite, E.S.** “Dynamic identification keys for ground beetles (Coleoptera: Carabidae): NEON sites and beyond”. Entomological Society of America Meeting, Phoenix, AZ, November 10-13.
- 2024 **Waite, E.S.**, I.S. Betancourt. “Bugs in the Code: Preliminary forays with AI from a collections perspective. Entomological Collections Network Meeting, Phoenix, AZ. November 9-10.
- 2023 **Waite, E.S.**, B.T. Hays, M.A. Johnston. “The intersection between identification resources and ecological monitoring”. Entomological Society of America Meeting. National Harbor, MD. November 5-8.
- 2023 J. Huffman, **E.S. Waite**, M.E. Jameson. “Ground beetle community composition across a broad grassland landscape”. Kansas Natural Resources Conference, Manhattan, KS. February 9-10.
- 2022 **Waite, E.S.** “Developing localized keys for NEON ground beetle (Coleoptera: Carabidae) identification”, Entomological Society of America Meeting. Vancouver, BC, Canada. November 13-16.
- 2019 **Waite, E.S.**, Jameson, M.E., Houseman, G.R., Jensen, W.E., Reichenborn, M.M., Watson, D.F., Mophew, A.R., Kjaer, E.L. “Differential responses of grassland ground beetle (Coleoptera: Carabidae) communities to Conservation Reserve Program management practices”, Entomological Society of America Meeting. St. Louis, MO. November 17-20.
- 2019 **Waite, E.S.**, Jameson, M.E., Houseman, G.R., Jensen, W.E., Reichenborn, M.M., Watson, D.F., Mophew, A.R., Kjaer, E.L. “How do ground beetles (Coleoptera: Carabidae) respond to Conservation Reserve Program management practices and environmental factors?”, Kansas Academy of Science/Kansas Entomological Society Meeting, Overland Park KS. March 29-30

- 2019 **Waite, E.S.**, Jameson, M.E., Reichenborn, M.M., Watson, D.F., and Houseman, G.R. “Ground Beetle (Coleoptera: Carabidae) Responses to Habitat Management and Precipitation on Conservation Reserve Program Lands in the Great Plains”, Kansas Natural Resources Conference, Manhattan, KS. January 31-February 1
- 2018 **Waite, E.S.**, Watson, D.F., Reichenborn, M.M., Houseman, G.R., Jameson, M.E. “Carabids and the Conservation Reserve Program: The effects of habitat management on grassland ground beetles (Coleoptera: Carabidae)”, ESA, ESC, and ESBC Joint Annual Meeting (Entomology 2018), Vancouver, BC, Canada. November 11-14

#### **Research Posters: \*denotes undergraduate authors**

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- 2025 Doyle, A.J.\*, Semmler, L.H.\*, **Waite, E.S.**, Shirey, V., Mason, J.r., S.C. Predicting beetle communities using environmental variables on Hog Island, Maine. Undergraduate Research at the Capitol, Harrisburg, PA. March 25.
- 2024 Doyle, A.J.\*, Semmler, L.H.\*, **Waite, E.S.**, Shirey, V., Mason, J.r., S.C. Comparing beetle (Insecta: Coleoptera) biodiversity at different sites on Hog Island, Maine. Immaculata University’s Posters Under the Dome, Immaculata, PA. April 24.
- 2024 Doyle, A.\*, L.H. Semmler\*, **E.S. Waite**, V. Shirey, S.C. Mason Jr. Comparing beetle (Insects: Coleoptera) biodiversity at different sites on Hog Island, Maine. Pennsylvania Academy of Science, Messiah University, April 12-14.
- 2023 Mason, S.C. Jr., V.M. Shirey, **E.S. Waite**, M.R. Gallagher and N. Skowronski. “Prescribed fire severity changes ground beetle (Coleoptera: Carabidae) taxonomic and functional community composition.” Pennsylvania Academy of Sciences Annual Meeting, Erie, PA. March 17-19.
- 2017 **Waite, E.S.\***, Keller, O., Risteen, R., Tonyai, K., Smedley, S.R., Branham, M.A. “Description of the last larval instar of *Ellychnia corrusca* (Linnaeus 1767) (Coleoptera: Lampyridae)”, Entomological Society of America Meeting. Denver, CO. November 5-11.
- 2017 **Waite, E.S.\***, Keller, O., Risteen, R., Tonyai, K., Smedley, S.R., Branham, M.A. “Description of the last larval instar of *Ellychnia corrusca* (Linnaeus 1767) (Coleoptera: Lampyridae)”, Southeastern Branch Annual Meeting, Entomological Society of America, Memphis, TN. March 12-15.

#### **Grants and Funding (\$14,790 total):**

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- 2024 BeetlePalooza 2024 Workshop Grant, Imageomics Institute, Columbus, Ohio (\$1,000)
- 2018 Kevin M. Anderson Fellowship, Department of Biological Sciences, Wichita State University (\$770)
- 2018 Claud L. Sheats Jr. Environmental Science Endowed Fellowship, Department of Biological Sciences, Wichita State University (\$7500)
- 2018 Graduate School Travel Award, Wichita State University (\$400)

- 2018 Entomological Collections Management Workshop Travel Grant, Entomological Collections Network (\$1,000)
- 2018 Systematics, Evolution, and Biodiversity Student Research Travel Award, Entomological Society of America (\$1,070)
- 2017 Graduate Student Council Travel Grant, University of Florida (\$350)
- 2017 Undergraduate Travel Grant, Department of Entomology and Nematology, University of Florida (\$350)
- 2016 James L Knapp Scholarship, Department of Entomology and Nematology, University of Florida (\$1,100)
- 2016 Undergraduate Travel Grant, Department of Entomology and Nematology, University of Florida (\$500)
- 2015 James L Knapp Scholarship, Department of Entomology and Nematology, University of Florida (\$750)

### **Contract Work**

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- 2024- Present Online Insect Educator, Alveus Sanctuary, Austin, Texas
- 2024 Insect Identifier, Crested Caracara Pellet Composition, Arizona Fish and Game Department
- 2024 Insect Identifier, Gut Contents of Imperiled Frogs of Arizona, Arizona Fish and Game Department
- 2023 Insect Identifier, Carabidae of North Dakota Oil Fields, USDA-ARS, Sidney Montana
- 2022 Insect Identifier, Coleoptera of California Solar Farms, USDA-ARS, Sidney Montana
- 2020 Insect Identifier, Mormon Cricket Pesticide Non-Target Organisms, USDA, Phoenix, Arizona
- 2018 Zoological Collections Curator, Wichita State University, Wichita Kansas. April-September
- 2018 Wood Destroying Organism and Pest Beetle ID Guide. Active Pest Control Technician Wyatt West. Atlanta GA

### **Awards and Honors:**

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- 2022 First Place, Grad 10-min Oral: SysEB, Biodiversity Section, **Waite, E.S.** “Developing localized keys for NEON ground beetle (Coleoptera: Carabidae) identification”, Entomological Society of America Meeting. Vancouver, BC, Canada. November 13-16.

- 2019 First Place, Grad 10-min Oral: SysEB, Biodiversity Section, **Waite, E.S.**, Jameson, M.E., Houseman, G.R., Jensen, W.E., Reichenborn, M.M., Watson, D.F., Morphew, A.R., Kjaer, E. L. “Differential responses of grassland ground beetle (Coleoptera: Carabidae) communities to Conservation Reserve Program management practices”, Entomological Society of America Meeting. St. Louis, MO. November 17-20.
- 2019 Graduate Assistant of the Year, Wichita State University
- 2019 First Place, Masters Oral Presentation Competition. **Waite, E.S.**, Jameson, M.E., Houseman, G.R., Jensen, W.E., Reichenborn, M.M., Watson, D.F., Morphew, A.R., Kjaer, E. L. “How do ground beetles (Coleoptera: Carabidae) respond to Conservation Reserve Program management practices and environmental factors?”, Kansas Academy of Science/Kansas Entomological Society Meeting, Overland Park KS. March 29-30
- 2018 Second Place, Grad 10-min Oral: SysEB, Biodiversity Section, **Waite, E.S.**, Watson, D.F., Reichenborn, M.M., Houseman, G.R., Jameson, M.L. “Carabids and the Conservation Reserve Program: The effects of habitat management on grassland ground beetles (Coleoptera: Carabidae)”, ESA, ESC, and ESBC Joint Annual Meeting (Entomology 2018), Vancouver, BC, Canada. November 11-14
- 2017 First Place, Southeastern Branch of the Entomological Society of America Linnaean Games, Memphis TN March 14
- 2017 Second Place, Undergraduate Student Poster Competition, **Waite, E.S.**, Keller, O., Risteen, R., Tonyai, K., Smedley, S.R., Branham, M.A. “Description of the last larval instar of *Ellychnia corrusca* (Linnaeus 1767) (Coleoptera: Lampyridae)”, Southeastern Branch Annual Meeting of Entomological Society of America, Memphis TN March 12-15

### **Teaching Experience:**

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#### Arizona State University, Graduate Teaching Assistant

- BIO182-General Biology 2 (1 semester)
- BIO345- Evolution (7 semesters)
- BIO386- General Entomology (5 semesters)

#### Wichita State University, Graduate Teaching Assistant

- BIOL211L- General Biology II (2 semesters)
- BIOL419L: Genetics (1 semester)

#### University of Florida, Undergraduate Teaching Assistant

- ENY4161: Insect Classifications (1 semester)
- ENY4905: Spider Biology (1 semester)
- ENY1001: Bugs and People (3 semesters)

### **Undergraduate Students Mentored:**

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2024-2025 Avery Kruger, Arizona State University, May 2024-June 2025  
2023-2024 Piper Preuss, Arizona State University, May 2023- May 2024  
2023 Christina Palmrose-Kreiger, Arizona State University, January-July  
2021-2023 Ethan Wright, Arizona State University, October 2021-October 2023  
2019-2020 Courtney Curtis, Arizona State University, October 2019-June 2020  
2017-2018 Katie Slavenburg, Wichita State University, September 2017– May 2018

### **Professional Meetings and Workshops: (Bold denotes identification training/workshop)**

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**2025 USDA Grasshopper Identification Workshop, Tempe AZ, March 5-6**  
2024 Entomological Society of America Annual Meeting, Phoenix AZ, November 10-13  
2024 Entomological Collections Network Annual Meeting, Phoenix AZ, November 9-10  
2024 BeetlePalooza 2024, Imageomics Institute, Columbus, Ohio, August 11-14  
2024 Invertebrates in Education and Conservation Conference, Tucson, AZ, July 23-27  
2024 NEON Research Coordination Network, Tempe, AZ, May 13-16  
2023 Entomological Society of America Annual Meeting, National Harbor MD, November 5-9  
2023 Entomological Collections Network Annual Meeting. National Harbor MD, November 4-5  
2022 ESA, ESC, and ESBC Joint Annual Meeting (Entomology 2022), Vancouver, BC, Canada. November 13-16  
2022 Entomological Collections Network Annual Meeting. November 12-13  
**2022 WaspID Course, Virtual, January 3-10**  
**2021 Tenebrionidae Identification and Classification Virtual Workshop. May 17-19**  
2020 Entomological Society of America Virtual Annual Meeting. November 11-25  
2020 Entomological Collections Network Virtual Annual Meeting. November 9-11  
**2020 Ground Beetle Identification Workshop, Ohio State University, Columbus OH. January 13-17**  
2019 Entomological Society of America Annual Meeting, St. Louis MO. November 17-20  
2019 Entomological Collections Network Annual Meeting, St. Louis MO. November 16-17

- 2019 Small Mammal Study Skins Preparation Workshop, ASU Natural History Collections, Tempe AZ. October 15
- 2019 Coleoptera Course: Beetle Morphology, Classification, and Identification, Southwestern Research Station, Portal AZ. August 10-19**
- 2019 Kansas Academy of Science/Kansas Entomological Society Meeting, Overland Park KS. March 29-30
- 2019 National Association for Interpretation Region 6 Annual Workshop, Wichita KS. February 24-27
- 2019 Kansas Natural Resources Conference, Manhattan KS. January 31- February 1
- 2018 ESA, ESC, and ESBC Joint Annual Meeting (Entomology 2018), Vancouver, BC, Canada. November 11-14
- 2018 Entomological Collections Network Annual Meeting, Vancouver, BC, Canada. November 10-11
- 2018 3<sup>rd</sup> Entomological Collections Management Workshop. California Academy of Sciences, San Francisco CA. July 23-26
- 2018 StaphMeeting: A Workshop on Rove Beetles. Clemson University, Clemson SC. June 20-26**
- 2018 International Branch Virtual Symposium. Entomological Society of America. April 16-18
- 2018 Kansas Academy of Science/Kansas Entomological Society Meeting, Topeka KS. April 6-7
- 2018 Kansas Natural Resources Conference, Manhattan KS. February 8-9
- 2017 Entomological Society of America Annual Meeting, Denver CO. November 5-8
- 2017 Entomological Collections Network Annual Meeting, Denver CO. November 4-5
- 2017 Southeastern Branch Annual Meeting, Entomological Society of America. Memphis TN March 12-15
- 2016 25<sup>th</sup> International Congress of Entomology, Orlando FL. September 25-30

### **Special Events and Presentations**

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- 2024 Symposium Organizer, From the Ground Up: Using carabids to investigate ecological questions across diverse habitats. Entomological Society of America Annual Meeting, Phoenix AZ, November 10-13. 84 attendees
- 2024 Invited workshop speaker “What It Takes to Identify a Beetle” BeetlePalooza 2024, Imageomics Institute, Columbus, Ohio, August 11-14



- 2024 Seminar Speaker, Maricopa Audubon Society, Phoenix, Arizona. “Journey from Bugs to Birding: A Two-Year Perspective”. January 2
- 2023 Instructor, Coleoptera Course: Beetle Morphology, Classification, and Identification, Southwestern Research Station, Portal AZ. July 12-21
- 2022 Seminar Speaker, Desert Rivers Audubon Society, Gilbert, Arizona. “A Journey from Bugs to Birding” <https://www.youtube.com/watch?v=asZWkrmAXZ4&t=22s> . October 11
- 2022 4<sup>th</sup> Entomological Collections Management Workshop. Arizona State University, Tempe Arizona. Local Host. June 20-23
- 2021 Tarantula interview, Arizona Republic, <https://www.azcentral.com/story/news/local/arizona-environment/2021/10/23/brown-tarantulas-embark-on-their-annual-mating-journey-across-arizona/6142868001/>. October 22
- 2021 Social Media As A Scientist, DeVries Lab, University of Kentucky, February 10
- 2020 Symposium Organizer, e-Entomology: Inclusive Outreach in a Digital World. Entomological Society of America Virtual Annual Meeting. 223 attendees
- 2020 How online outreach can make us better scientists. e-Entomology: Inclusive Outreach in a Digital World. Entomological Society of America Virtual Annual Meeting
- 2019 Stand Up Science with Shane Mauss, The Looney Bin, Wichita, KS. July 3
- 2019 Mosquito interview, FM 101.3 KFDI News, <https://www.kfdi.com/2019/05/21/flooding-to-cause-boom-in-certain-mosquito-populations/> May 15.
- 2019 “We’re Millennials, Let’s Talk About It!” Panel Member, National Association for Interpretation Region 6 Annual Workshop, Wichita, KS. February 27
- 2018 BugScope with Isa Betancourt “Collection Hopping & Beetles” <https://twitter.com/isabetabug/status/1073341696975417345?fbclid=IwAR2GL3zX3b4c7F3TNTouiEkoLgpn6jMfOQI2To6bZV4iHqqah-FQJRBxTY>

### **Digital Dissemination**

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- 2020- Present Administrator, Tri-State Insects Facebook Group. ~400 members
- 2019-Present Administrator, Spider/Bug Questions with TheBugGirl Facebook Group. ~19,500 members
- 2018-Present Administrator, Kansas Arthropods Facebook Group. ~1,200 members
- 2018-Present Moderator, Antman’s Hill Facebook Group. ~120,500 members

2017-Present Administrator, Spider and Insect Enthusiast Facebook Group. ~20,000 members

2017-Present Administrator, Florida Entomology Facebook Group. ~13,400 members

2016-Present Administrator, Insect Identification Facebook Group. ~104,100 members

### **Research Collection Travel**

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C.A. Triplehorn Insect Collection, Ohio State University, Columbus, Ohio. Curation

- August 2024

New Mexico State University Arthropod Collection, New Mexico State University, Las Cruces, New Mexico. Curation.

- March 2024, April 2025

Beaty Biodiversity Museum, University of British Columbia, Vancouver, British Columbia, Canada. Curation.

- November 2022

University of Arizona Insect Collection, University of Arizona, Tucson, Arizona. Curation.

- July 2024, April 2024, January 2024, February 2023, September 2022, June 2021

Academy of Natural Sciences, Drexel University. Philadelphia, Pennsylvania. Curation.

- December 2023, December 2022, May 2022, December 2021, June 2021, December 2018

University of Connecticut Insect Collection, University of Connecticut. Storrs, Connecticut. Curation.

- December 2021, December 2018

Essig Museum of Entomology, University of California at Berkeley. Berkeley, California. Curation and Study.

- January 2019

California Academy of Sciences. San Francisco, California. Curation and Study.

- January 2019

Museum of Comparative Zoology, Harvard University. Cambridge, Massachusetts. Curation.

- December 2018

University of Vermont Insect Collection, University of Vermont. Burlington, Vermont. Curation.

- December 2018

University of New Hampshire Insect Collection, University of New Hampshire. Durham, New Hampshire. Curation.

- December 2018

Pennsylvania State Museum. Harrisburg, Pennsylvania. Curation.

- December 2018

Clemson University Arthropod Collection, Clemson University. Clemson, South Carolina. Curation.

- June 2018

Sam Noble Museum of Natural History, University of Oklahoma. Norman, Oklahoma. Curation.

- March 2019, May 2018

University of Wyoming Insect Museum, University of Wyoming. Laramie, Wyoming. Curation.

- March 2018

Denver Museum of Nature and Science. Denver, Colorado. Curation.

- March 2018, November 2017

University of Colorado Museum of Natural History, University of Colorado Boulder. Boulder, Colorado. Curation.

- March 2018

Sternberg Museum of Natural History, Fort Hays State University. Hays, Kansas. Curation.

- March 2018

Carnegie Museum of Natural History. Pittsburgh, Pennsylvania. Curation and Study.

- January 2018

Snow Entomological Museum, University of Kansas. Lawrence, Kansas. Curation and Study.

- December 2017, October 2017, February 2018, May 2018

#### **Society Memberships and Professional Activities:**

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2015-Present Entomological Society of America

2016-Present The Coleopterists Society

- Student Councilor (2021-2023)
- Lifetime Membership

2016-Present Entomological Society of Pennsylvania

2018-2023 Entomological Society of Canada

2022-2023 Entomological Society of British Columbia

2019-2021 American Association for the Advancement of Science

2019-2021 Sigma Xi: Scientific Research Honor Society

2017-2021 The Society for the Preservation of Natural History Collections

2017-2021     Kansas Entomological Society  
2015-2020     Florida Entomological Society

**Manuscript Reviewer:** Environmental Entomology, Dugesiana, The Pan-Pacific Entomologist, The Coleopterists Bulletin, European Zoological Journal, The Canadian Entomologist, New Zealand Journal of Zoology

### **Outreach Activities and Volunteer Work:**

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2025     Guest Lecture, SOS326, Sustainable Ecosystems, Arizona State University, April 15  
2025     Insect Presenter at Irene Lopez Academy for the Arts art exhibition, Tempe AZ, February 27  
2024     Entomological Society of America Tours (150 people), Arizona State University, November 10-11  
2024     ASU Bio Bridge Program Collections Tours, Arizona State University, August 17  
2024     Entomological Society of America Planning Committee Tours, Arizona State University, June 26  
2024     Desert Adaptations, ASU Prep Digital School Presentation, Tempe AZ, April 26  
2024     Bird Walk Leader, Desert Rivers Audubon Society, Gilbert AZ, January-May  
2023     Guest Lecturer, Techniques in Conservation Biology and Ecology, Arizona State University, April 28  
2023     Coyote Hills Elementary School, 7<sup>th</sup> grade (100 students) collections tour, Arizona State University, February 21  
2023     Bird Trip Leader for Prospective Graduate Students, Arizona State University, January 28  
2022     Insects and Spiders Oh My! ASU Prep Digital School Presentation, Tempe AZ, December 08  
2022     Guest Lecturer, Techniques in Conservation Biology and Ecology, Arizona State University, April 29  
2022     Judge, Animal Behavior Final Project, University of British Columbia, April 12  
2022     Birds and Brew: A Journey from Bugs to Birding, Desert River Audubon Society. Gilbert, Arizona. March 22  
2022     Flour Beetles as in Wade and Goodnight 1991, Guest Lecture EVO601, Arizona State University. March 14

- 2021 Insect Collection Station, Flashlight Nights, Desert Botanical Gardens. Tempe, Arizona. July 17
- 2021 Insect Conservation Sampling, Central Arizona Chapter of the Society for Conservation Biology. Arizona State University, April 13
- 2021 Judge, Animal Behavior Final Project, University of British Columbia, April 8
- 2021 Lecturer, Carabid Skills Clinic: Difficult Species/Characters, NEON Biorepository, March 18
- 2020 Guest Lecturer, Techniques in Conservation Biology and Ecology, Arizona State University, February 21
- 2019 Introduction to Entomology, AP Biology Guest Lecture. William Allen High School. Allentown PA, December 17
- 2019 Jumping Spider Research Field Assistant, Tempe AZ, October 2-5
- 2019 Lead Entomologist, Moth Mania, Great Plains Nature Center, Wichita KS, July 26
- 2019 Volunteer, Passport to Nature Fundraiser, Great Plains Nature Center, Wichita KS, April 11
- 2019 Skype A Scientist, *Entomology*, 4<sup>th</sup> Grade College Gardens Elementary School, Rockville MD, April 9
- 2019 Skype A Scientist, *Animals and Their Environment*, 5<sup>th</sup>, 6<sup>th</sup>, and 7<sup>th</sup> Grade Bedminster Township School, Bedminster NJ, March 1
- 2019 Skype A Scientist, *Animals and Their Environment*, 3<sup>rd</sup> and 4<sup>th</sup> Grade Bedminster Township School, Bedminster NJ, February 27
- 2019 Judge, InterpOlympics, National Association for Interpretation Region 6 Annual Workshop, Wichita KS, February 26
- 2019 How to Pin an Insect presentation, Peterson Elementary School Prairie Matters Club, Wichita KS, January 16
- 2018 Introduction to Entomology and the College Experience, AP Biology Guest Lecture. William Allen High School. Allentown PA, December 10
- 2018 Activity Volunteer, Bringing in the Greens Great Plains Nature Center, Wichita KS, December 7
- 2018 Skype A Scientist, *Entomology*, Richter Elementary School 3<sup>rd</sup> Grade, Dayton TX, October 29
- 2018 How to Build an Insect Collection Presentation, Peterson Elementary School Prairie Matters Club, Wichita KS, October 24
- 2018 Howl-oween, Great Plains Nature Center, Wichita KS, October 20

- 2018 Safari Ed-venture Day, Sedgwick County Zoo, Wichita KS, October 12
- 2018 Black & Yellow Days, Wichita State University, Wichita KS, October 8
- 2018 Insect Expert for Great Plains Nature Center BioBlitz, Great Plains Nature Center, Wichita KS, June 16
- 2018 Snake Fungal Disease Survey, McConnell Air Force Base, Wichita KS, June 4
- 2018 34<sup>th</sup> Annual Walk with Wildlife Insect Display, Great Plains Nature Center, Wichita KS, May 19
- 2018 Enterprise Elementary School Butterfly Presentation and Release, Wichita KS, April 27
- 2018 Kansas State Science and Engineering Fair Judge, Wichita KS, April 6
- 2018 USD 305 Gifted Students Entomology Lab Tour, Wichita State University, Wichita KS, March 3
- 2017 Introduction to Entomology and the College Experience, AP Biology Guest Lecture. William Allen High School. Allentown PA, December 20
- 2017 Entomological Society of America, Denver CO, Volunteer, Entomology Society of America Booth, November 6-7
- 2017 Expand Your Horizons *Pollination Pandemonium*, Wichita State University, Wichita KS, October 28
- 2017 Rise Up for Youth Entomology Lab Tour, Wichita State University, Wichita KS, October 23
- 2017 Innovation in Action: An Honors College Experience, Entomology Lab Tour, Wichita State University, Wichita KS, September 16
- 2017 Girl Scout Troop 92106 Entomology Presentation, Gainesville FL, July 13
- 2017 Guest Lecturer, ENY1001 Bugs and People, University of Florida. Gainesville FL, July 10
- 2017 AP Biology Entomology Lecture, William Allen High School. Allentown PA, May 9
- 2017 Spider Care Volunteer, Insect Ecology Lab of Lisa Taylor Gainesville FL, May 1 2016 – April 30 2017
- 2017 UF Bugfest Organizer, Gainesville FL, April 8
- 2017 UF Environmental Horticulture Club Entomology Presentation, Gainesville FL, February 21
- 2017 Florida State Fair Display Volunteer, University of Florida Entomology Department Tampa FL, February 13
- 2017 Oak Hammock Retirement Community Spider Lecture, Gainesville FL, January 17

- 2016 AP Biology Entomology Lecture, William Allen High School, Allentown PA, December 13
- 2016 Brownie Troop Bug Patch, Gainesville FL, December 2
- 2016 Ocali Country Days Entomology Booth, Silver River FL, November 9
- 2016 Bug Faire Judge, University of Florida, Gainesville FL October 31
- 2016 Ask a Scientist: Not So Scary Science, Florida Museum of Natural History, Gainesville FL, October 30th
- 2016 IFAS Ag and Gardening Day at the Swamp, Gainesville FL, October 15
- 2016 International Congress of Entomology, Orlando FL, Insect Expo Volunteer, September 28
- 2016 International Congress of Entomology, Orlando FL, Volunteer, Entomology Society of America Booth, September 25
- 2016 Head Counselor UF Bug Camp, Gainesville FL, June 20-24
- 2016 Girl Scout Troop 92153, Arthropod Petting Zoo, Gainesville FL, June 9
- 2016 Bioblitz at Learning Gate Community School, Lutz FL, April 9
- 2016 UF Bugfest Organizer, Gainesville FL, April 2
- 2016 Gator Day at the Capitol, UF Entomology Booth, Tallahassee FL, February 16
- 2016 Florida State Fair University of Florida Entomology Booth, Tampa FL, February 4-8
- 2015 Ocali Country Days, Silver River FL, November 11-15
- 2015 Arthropod Petting Zoo at the Swamp for Homecoming, Gainesville FL, November 7
- 2015 Bronson Middle and High School Career Day, Bronson FL, November 6
- 2015 Arthropod Petting Zoo at TailGator, Gainesville FL, September 26
- 2015 CALS Kickoff Entomology Booth, Gainesville FL, September 9
- 2015 Cornerstone Academy Pre-K/K Entomology Department Visit, Gainesville FL, April 29
- 2015 Girl Scouts Troop Entomology Presentation, Gainesville, FL April 25
- 2015 UF BugFest Volunteer, Gainesville FL, April 11
- 2015 High Springs Elementary Kindergarten, High Springs FL, April 9
- 2015 Duval Elementary After School Program, Arthropod Petting Zoo, Gainesville FL, March 12
- 2015 Florida State Fair UF Entomology Booth, Tampa FL, February 6-9

2014 Florida Museum of Natural History, Lepidoptera Curation, Gainesville FL, September 1  
2014-December 17, 2015, 8 hours a week