

# ROBIN P. MARQUEZ

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## EDUCATION

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### University of Central Florida

January 2024 - Present

Bachelor of Science in Biology

Orlando, FL

- Geographic Information Systems Undergraduate Certificate
- **Affiliations**
  - Dr. Ronald E. McNair Scholar
  - Society for the Advancement of Chicanos/Hispanics & Native Americans in Science (SACNAS)

### Valencia College

January 2021 – December 2023

Associate of Arts, General Studies

Orlando, FL

- **Affiliations:**
  - Louis Stokes Alliance for Minority Participation (LSAMP)
  - Phi Theta Kappa Honor Society
  - National Audubon Society
  - American Society for Horticultural Science

## RESEARCH INTERESTS

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- **Pollinator Ecology, Biodiversity, and Conservation**
  - Effects of human land management, habitat fragmentation on pollinator ecology, biodiversity
  - Utilizing crowd-sourced bee biodiversity data for research, public education, and engagement

## AWARDS AND HONORS

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- Barry Goldwater Scholar **March 2024**
- Judges Choice Award, University of Central Florida Student Scholar Symposium **March 2024**
- Scholarship Recipient, WasplD Course 2024 **December 2023**
- 1st Place, Valencia College Undergraduate Research Showcase (Spring 2023) **April 2023**
- 1st Place, Valencia College Undergraduate Research Showcase (Fall 2022) **December 2022**
- Valencia College Academic Excellence Award for Plant Sciences **April 2022**
- President's List, All Semesters Enrolled (4.0 Institutional GPA) **January 2021 – December 2023**

## RESEARCH EXPERIENCE

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### NSF REU Site: Natural History Research Experiences

May – August 2024

*National Museum of Natural History, Smithsonian Institution, Washington, D.C.*

❖ **Advisors:** Jeffrey Sosa-Calvo, PhD; Luke Kresslein, PhD; and Matt Buffington, PhD

❖ **Project:** Leaf-Litter Hidden Treasures: Discovering Neotropical Micro-Hymenoptera Diversity

- Will utilize entomology collections to compare micro-Hymenoptera species richness, species turnover, and species diversity between surveyed regions in Central and South America

**Assistant Curator****January 2024 - Present***University of Central Florida Collection of Arthropods, Orlando, FL*❖ **Supervisor:** Sandor “Shawn” Kelly (Collection Manager)

- Assisting with collection, display, preservation, and identification of arthropod specimens
- Engaging in additional academic development opportunities (Ex. WaspID Course) to strengthen entomological knowledge
- Facilitating public outreach and education activities

**Research Assistant, Pollinator Ecology****January 2024 - Present***University of Central Florida Department of Biology, Orlando, FL*❖ **Advisor:** Patrick Bohlen, PhD (Professor, Department of Biology)**Senior Research Volunteer****July 2023 – Present***Yale University, New Haven, CT*❖ **Advisors:** Andrea Ayala, PhD (NSF Postdoctoral Fellow) and C. Brandon Ogbunu, PhD (Assistant Professor), Department of Ecology and Evolutionary Biology❖ **Project:** Climate and pathogenic *Vibrio* bacteria in gut microbiomes of mottled ducks

- Contributing to meta-analysis of *Vibrio* gene sequences by collating information from literature and publicly available databanks (Since May 2023)
- Continued Research Volunteer responsibilities while entrusted to perform additional hands-on field techniques including avian venipuncture and fecal sample collection (AALAS/IACUC trained)
- Offered peer support to new volunteers as needed

**Group Effort Applied Research in Biology (Course)****January 2024 – April 2024***University of Central Florida Department of Biology, Orlando, FL*❖ **Advisor:** Ken Fedorka, PhD (Professor, Department of Biology)❖ **Project:** Impact of agrochemicals on mosquito immune systems and disease transmission capabilities**Research Volunteer****February 2023 – July 2023***Yale University, New Haven, CT*❖ **Advisors:** Andrea Ayala, PhD (NSF Postdoctoral Fellow) and C. Brandon Ogbunu, PhD (Assistant Professor), Department of Ecology and Evolutionary Biology❖ **Project:** Investigating relationships between climate and pathogenic *Vibrio* bacteria in gut microbiomes of mottled ducks

- Assisted in surveying Central Florida waterbodies for research suitability, humane trapping and biological sample collection from dabbling ducks (AALAS/IACUC trained)
- Performed outreach for volunteer recruitment as needed

### **Summer Research Opportunity Program**

**May 2023 – August 2023**

*University of Michigan, Ann Arbor, MI*

❖ **Advisor:** Regina Baucom, PhD (Professor, Department of Ecology and Evolutionary Biology)

❖ **Project:** Effects of dicamba (herbicide) drift on morning glory (*Ipomoea purpurea*) plants and arthropod communities

- Responsible for cultivation and experimental monitoring of 400 plants on agricultural research plot
- Collected arthropod community data utilizing active visual surveys and pitfall traps
- Engaged in academic and professional development events designed to support preparation for graduate studies

### **Research Volunteer, Pollinator Ecology and Sustainable Landscape Design**

**January 2023 – May 2023**

*Florida Department of Environmental Protection, Titusville, FL*

❖ **Advisor:** Emily Surmont (Estuarine Ecologist, Florida Department of Environmental Protection)

❖ **Project:** Pollinator diversity and abundance in sustainable coastal landscape design

- Conducted pollinator surveys in sustainable landscape at Titusville, Florida field station and traditional residential lawn
- Co-led programming at the field station to raise awareness for pollinator-friendly landscaping and enhance community scientists' pollinator identification skills.
- Trained FDEP staff and student intern in specimen collection using insect net

### **Valencia Engaging for Completion Through Opportunities in Research**

**August 2022 – April 2023**

*Valencia College, Orlando, FL*

❖ **Advisors:** Rita Luther, PhD (Professor of Biology) and James C. Adamski, PG (Professor of Geology; President, Friends of the Wekiva River)

❖ **Project:** "Isolation and Characterization of Fecal Coliform Bacteria in Central Florida Urban Springs and Streams"

- Collected water samples and hydrological data across four Central Florida springs and streams
- Evaluated water samples for coliforms by inoculating various liquid and solid bacteria growth media
- Interfaced with Friends of Wekiva River board to develop project relevant to their conservation goals

### **NSF REU Site: Conservation, Restoration, and Communication**

**May – July 2022**

*University of Central Florida, Orlando, FL*

❖ **Advisor:** Patrick Bohlen, PhD (Professor of Biology, Department of Biology)

❖ **Project:** "Indirect Effects of Compost on Pollinators in Suburban Native Plant Landscapes"

- Conducted pollinator flower visitation surveys and collected insects using hand net and blue vane traps
- Direct pinned or point mounted insect specimens to be added to Collection of Arthropods
- Supported Sunbridge planned community stakeholders in designing sustainable residential landscape

## RESEARCH CERTIFICATIONS, TRAINING, AND SKILLS

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<b>Biological Safety and Laboratory Safety Training</b> <i>University of Central Florida, Environmental Health and Safety</i>	<b>May 2022 - Present</b>
<b>Chemical Laboratory Safety Training</b> <i>University of Michigan, Environmental Health and Safety</i>	<b>June 2023</b>
<b>AALAS/IACUC Training – Wildlife User Track</b> <i>Yale University</i>	<b>March 2022</b>
<b>Biomedical Responsible Conduct of Research</b> <i>CITI Program</i>	<b>May 2022</b>
<b>Jay Watch Training</b> <i>Audubon Florida</i>	<b>May 2022</b>
<b>Entomology</b> <ul style="list-style-type: none"><li>• Insect collection: sweep/hand-netting, blue vane traps, pitfall traps</li><li>• Pinning and labeling of entomological specimens: direct pinning, point mounting</li><li>• Insect identification: physical specimens using (stereo) microscope, community science photographs</li><li>• Visual insect surveying: transect, timed</li><li>• Mosquito rearing (larvae to adults)</li></ul>	
<b>Plant Science and Ecology</b> <ul style="list-style-type: none"><li>• Standardized cultivation of experimental plants</li><li>• Seed collection for plant breeding research</li><li>• Documenting plant traits: herbivory damage, true leaf counts, germination times, flower counts</li></ul>	
<b>Microbiology</b> <ul style="list-style-type: none"><li>• Polymerase chain reaction (PCR), Reverse Transcription PCR and Quantitative PCR</li><li>• RNA extraction</li><li>• Hemolymph assay</li><li>• Micropipette: single and multi-channel</li><li>• Vacuum membrane filtration</li><li>• Bacterial culturing on liquid and solid media</li><li>• Gram staining</li><li>• Characterizing bacteria using colony morphology and bacterial culturing</li></ul>	
<b>Ornithology</b> <ul style="list-style-type: none"><li>• Biological sampling waterfowl: venipuncture, fecal samples</li><li>• Safely and humanely handling live waterfowl, raptors, songbirds</li><li>• Humane live bird trapping and releasing: mist nets, bow nets, walk-in traps</li><li>• Bird identification: visual, audio</li><li>• Bird identification technology: Merlin, BirdNET</li><li>• Bird surveying</li><li>• eBird data entry</li><li>• Optics: binoculars, monoculars, spotting scopes</li></ul>	
<b>Hydrology and Estuarine Ecology</b> <ul style="list-style-type: none"><li>• Probes/meters for measurements including pH, conductivity, and dissolved oxygen</li><li>• Surface water sampling techniques</li><li>• Acoustic telemetry tracking (horseshoe crabs)</li><li>• Coastal and spoil island restoration techniques</li></ul>	

## General Ecology

- Conducting fieldwork in various terrestrial and marine environments, including “off-trail” and critical wildlife areas
- Spreadsheets: Excel, Google Sheets
- Technical oral and written communication skills

## RESEARCH PUBLICATION

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1. A.J. Ayala, T.A. Hellinger, J. Occiano, G. Santa Cruz, **R.P. Marquez**, A. Chan, R. Blass, A. Schoenherr, D. Vlasov, V. Vives, N. Cabral, M. Vega Sepulveda, C.M. Muise, S.S. Manivannan, J. Webb, M. McBride, A. Fanning, A. Bartel, M. Ferragamo, D. Garcia, T.J. Johnson, K. Kabengele, C.A. Diaz, T-A Grant, S. Almagro-Moreno, & C.B. Ogbunugafor (expected 2024). *The prevalence and pathogenicity of vibriosis in Mottled and Muddled ducks of Central Florida*. In prep for Ornithology.

## RESEARCH POSTERS AND PRESENTATIONS

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1. **Marquez, R.P.**; Zhang, G.; Baucom, R. (2024). Catch My Drift? Effects of Herbicide Drift on Morning Glory Plants and Arthropod Communities. [Poster Presentation]. Abstract accepted for 2024 Annual Meeting of the Ecological Society of America.
2. **Pitilon, R.**; Zhang, G.; Baucom, R. (2024). Catch My Drift? Effects of Herbicide Drift on Morning Glory Plants and Arthropod Communities. [Poster Presentation]. University of Central Florida, Orlando, Florida. Student Scholar Symposium.
  - Judges Choice Award
3. Hagaman, M; **Pitilon, R.**; Bohlen, P.J.; (2024). Building Better Homes For Pollinators: How Native Plants Benefit Pollinator Communities In Suburban Landscapes. [Poster Presentation]. University of Central Florida, Orlando, Florida. Student Scholar Symposium.
4. **Pitilon, R.**; Zhang, G.; Baucom, R. (2024). Catch My Drift? Effects of Herbicide Drift on Morning Glory Plants and Arthropod Communities. [Poster Presentation]. University of North Florida, Jacksonville, Florida. 2024 Florida Undergraduate Research Showcase.
5. A.J. Ayala, S.S. Fink, L.K. Haas, B.M. Williams, T.A. Hellinger, J. Occiano, G. Santa Cruz, **R.P. Marquez**, A. Chan, R. Blass, A. Schoenherr, D. Vlasov, V. Vives, N. Cabral, M. Vega Sepulveda, C.M. Muise, S.N. Manivannan, J. Webb, M. McBride, A. Fanning, A. Bartel, M. Ferragamo, D. Garcia, T.J. Johnson, K. Kabengele, C.A. Diaz, T-A Grant, L.U. Taylor, S. Surasinghe. The Anthropogenesis of Wild Bird Pathogens in the Northeast. [Oral Presentation]. University of New Hampshire, Durham, NH (2024).
6. **Pitilon, R.**; Zhang, G.; Baucom, R. (2023). Catch My Drift? Effects of Herbicide Drift on Morning Glory Plants and Arthropod Communities. [Oral Presentation]. Valencia College, Orlando, Florida. Fall 2023 Undergraduate Research Showcase.
7. **Pitilon, R.**; Zhang, G.; Baucom, R. (2023). Catch My Drift? Effects of Herbicide Drift on Morning Glory Plants and Arthropod Communities. [Oral Presentation]. Valencia College, Orlando, Florida. Valencia Engaging Completion Through Opportunities in Research Meeting.

8. A.J. Ayala, T. Hellinger, J. Occiano, G. Santa Cruz, **R.P. Marquez**, A. Chan, R. Blass, A. Schoenherr, D. Vlasov, V. Vives, N. Cabral, M. Sepulveda, C.M. Muise, S.N. Manivannan, J. Webb, M. McBride, A. Fanning, A. Bartel, M. Ferragamo, D. Garcia, T.J. Johnson, K. Kabengele, C.A. Diaz, T-A Grant, S. Almagro-Moreno, and C.B. Ogbunugafor. Vibriosis in Waterfowl of Florida. [Oral Presentation]. Yale University, New Haven, Connecticut. Second Annual Symposium.
9. Bohlen, P.J.; Hagaman, M; **Pitilon, R**; Burdett, M.; Pandolfi, A+ (2023). Compost addition greatly increases the number of flowers and pollinators in suburban native plant landscapes. [Poster Presentation]. Oregon Convention Center, Portland, Oregon. Ecological Society of America Annual Meeting.
10. **Pitilon, R**; Zhang, G.; Baucom, R. (2023). Catch My Drift? Effects of Herbicide Drift on Morning Glory Plants and Arthropod Communities. [Oral Presentation]. University of Michigan, Ann Arbor, Michigan. Summer Research Opportunity Program Symposium.
11. **Pitilon, R**; Luther, R.; Adamski, J.C. (2023). Isolation and Characterization of Fecal Coliform Bacteria in Central Florida Urban Springs and Streams. [Oral Presentation]. Valencia College, Orlando, Florida. Spring 2023 Undergraduate Research Showcase.
  - Awarded 1<sup>st</sup> Place
12. Moffis, B.; **Pitilon, R**; Pandolfi, A.; Burdett, M.; Bohlen, P.; Iannone, B. (2023). Ecology in Florida's Expanding Residential Landscapes: Quantifying Approaches and Attitudes. [Poster Presentation]. University of Florida, Gainesville, Florida. School of Natural Resources and Environment Symposium.
  - Honorable Mention
13. Burdett, M.; Hagaman, M.; **Pitilon, R**; Pandolfi, A.; Bohlen, P. (2023). Flower Power: Using Native Plants to Enhance Pollinator Habitat in Suburban Developments. [Poster Presentation]. University of Central Florida, Orlando, Florida. Student Scholar Symposium.
  - Undergraduate Winner
14. **Pitilon, R**; Pandolfi, A.; Burdett, M.; Bohlen, P. (2022). Indirect Effects of Compost on Pollinators in Suburban Native Plant Landscapes. [Poster Presentation]. St. Thomas University, Miami, Florida. 2023 Florida Undergraduate Research Conference.
15. **Pitilon, R**; Pandolfi, A.; Burdett, M.; Bohlen, P. (2022). Indirect Effects of Compost on Pollinators in Suburban Native Plant Landscapes. [Oral Presentation]. Valencia College, Orlando, Florida. Fall 2022 Undergraduate Research Showcase.
  - Awarded 1<sup>st</sup> Place
16. **Pitilon, R**; Pandolfi, A.; Burdett, M.; Bohlen, P. (2022). Indirect Effects of Compost on Pollinators in Suburban Native Plant Landscapes. [Oral Presentation]. Lake Nona, Florida. OUTSIDE 2022: Sustainable Landscape Collaborative Conference.

17. **Pitilon, R;** Pandolfi, A.; Burdett, M.; Bohlen, P. (2022). Indirect Effects of Compost on Pollinators in Suburban Native Plant Landscapes. [Oral Presentation]. University of Central Florida, Orlando, Florida. July 7, 2022 oral presentation to public.
18. **Pitilon, R;** Pandolfi, A.; Burdett, M.; Bohlen, P. (2022). Indirect Effects of Compost on Pollinators in Suburban Native Plant Landscapes. [Oral Presentation]. University of Central Florida, Orlando, Florida. Summer 2022 Scientific Showcase.

## LEADERSHIP POSITIONS

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### **Judge for Spring 2024 Undergraduate Research Showcase** **April 19, 2024**

*Valencia College, Orlando, FL*

- Evaluated student research presentations based on utilization of background information to support research, development of timely and valuable research objectives, sound methodology, and effective presentation skills

### **Speaker and Tour Leader for Sustainable Landscaping Conference** **October 12, 2023**

*OUTSIDE Collab, Lake Nona, FL*

- Guided 4 tours of approximately 45 people each through native plant landscape research plots to showcase ongoing research and promote sustainable landscaping practices

### **STEM and Climate Science Curriculum Evaluator** **July 2023 – September 2023**

*National Audubon Society, New York, NY (Independent Contractor)*

- Evaluated National Science Foundation-funded curriculum for 18-to-25-year-olds that combines guided nature experiences with STEM and Climate Science

### **Audubon Florida Student Selection Committee Member** **July – September 2023**

- Reviewed applications for the Audubon Florida Conservation Leadership Initiative 2023-2024 cohort
- Enhanced program by sharing ideas and constructive feedback

### **Audubon Florida Regional Conservation Committee Member** **January 2022 – June 2023**

- Collaborated with Central Florida Audubon leaders to address regional conservation priorities
- Coordinated discussions about advancing environmental justice, equity, diversity, and inclusion in local chapter outreach and conservation efforts

### **Event Planning Team and Trip Leader, Conservation Leadership Academy** **January 2023 – March 2023**

- Coordinated day-long outreach event designed to enrich student understanding of Florida's nature, careers in environmental conservation, and academic/professional development opportunities through Audubon Florida
- Co-led nature walk through Wekiwa Springs State Park for group of 12 students

**Audubon Florida Program Planning and Student Selection Committee Member July 2022 – December 2022**

- Enhanced Audubon Florida Conservation Leadership Initiative by sharing ideas, constructive feedback
- Involved in student recruitment and reviewing applications for the program's 2022-2023 cohort
- Assisted in refining program application to benefit Audubon's goals of equity, diversity, and inclusion
- Enriched cohort onboarding meeting by presenting experiences as a program alumnus

**Urban Ecology Lab Student Supervisor**

**June – July 2022**

- Trained undergraduate student in blue vane trapping, direct pinning and identification of arthropods
- Supervised and providing constructive feedback to student as needed
- Reported to faculty advisor with honest evaluations of student's performance

**Audubon on Campus Birding Trip Leader**

**June – July 2022**

- Guided University of Central Florida students through Arboretum Natural Lands and East Parcel Trails in collaboration with Audubon on Campus chapter, Knighthawks, to inspire an appreciation for nature and future involvement in Audubon's conservation work

**Co-Creator of STEM and Climate Science Curriculum**

**June 2022**

*National Audubon Society, New York, NY (Independent Contractor)*

- Co-created National Science Foundation-funded curriculum for 18-to-25-year-olds that combines guided nature experiences with STEM and Climate Science

**Audubon Florida Conservation Leadership Initiative**

**October 2021 – May 2022**

- Strengthened leadership skills and understanding of conservation careers with support from Audubon Florida, diverse student cohort and mentor Phyllis Hall, President of Seminole Audubon Society

**SCIENCE COMMUNICATION PUBLICATIONS**

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1. Pitilon, R. (2022, April). Audubon Engages Students with Conservation Leadership Assembly. *OASis*, 56(8), 3. [https://www.orangeaudubonfl.org/oasis/OASis\\_2022\\_04\\_April.pdf](https://www.orangeaudubonfl.org/oasis/OASis_2022_04_April.pdf)
2. Pitilon, R. (2022, March 27). *For the birds, prioritize native plants*. Orlando Sentinel. <https://www.orlandosentinel.com/opinion/letters/os-op-letters-desantis-swim-judgment-20220327-ckdzkbf5dypp45jtczdf565g-story.html>
3. Pitilon, R. (2022, February). Playalinda Brewing Company: A Toast to Raising Awareness for Florida Scrub-Jays. *The Jay*, 4. <https://seminoleaudubon.org/wp-content/uploads/2021/12/2022-JAY-JAN-FEB.pdf>

## CONTRIBUTOR FOR SCIENCE COMMUNICATION PUBLICATIONS

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1. Year 11 of Conservation Leadership Initiative Program Launches at Regional Audubon Assemblies. (2021, Winter). *Audubon Florida Naturalist*, 14–15.  
[https://fl.audubon.org/sites/default/files/winter\\_naturalist\\_2021.pdf](https://fl.audubon.org/sites/default/files/winter_naturalist_2021.pdf)
2. 2021 North Shore Birding Festival. (2021, December). *OASis*, 56(4), 4.  
[https://www.orangeaudubonfl.org/oasis/OASis\\_2021\\_12\\_Dec.pdf](https://www.orangeaudubonfl.org/oasis/OASis_2021_12_Dec.pdf)

## PRESENTATIONS AND SPEAKING ENGAGEMENTS

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**Panelist** **March 8, 2024**

*2024 Transfer Student Success Partnership Conference, Valencia College, Orlando, FL*

- Presented personal experience as a community college transfer student engaging in high-impact experiences to audience of over 200 higher education administrators

**Speaker for Undergraduate Research Workshops** **February 17, 2024**

*2024 Florida Undergraduate Research Conference, University of North Florida, Jacksonville, FL*

- Conducted 2 conference workshop presentations and Q&A sessions with University of Central Florida Director of Undergraduate Research, Dr. Natalia Leal Toro, to share personal undergraduate research experience and offer guidance to students seeking opportunities to engage in research

**Guest Speaker** **October 6, 2022**

*St. Lucie Audubon, St. Lucie County, FL*

- Presented 45-minute reflection of Alternative Spring Break volunteering experience titled "Of Spoonbills and Horseshoe Crabs: An Indian River Lagoon Spring Break"

**Guest Speaker** **September 12, 2022**

*Valencia College, Orlando, FL*

- Recorded presentation about undergraduate research experience to be included in botany, ethnobotany, and plant physiology online course material by Prof. Fabiano Isenhour

## PUBLIC OUTREACH

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**Entomology Outreach and Education for Kennedy Space Center Earth Day Celebration** **April 8, 2024**

*Kennedy Space Center, Merritt Island, FL*

- Conducted entomology education and outreach by tabling for Central Florida Collection of Arthropods during Kennedy Space Center visitors during Earth Day Celebration
- Represented Collection as television interviewee for Fox 35 Orlando's live coverage of event
- Communicated with international guests using mobile translation technology (Google Translate)

**Children's Activity Coordinator for Seasonal Event** **November 11-12, 2023**

*Audubon Center for Birds of Prey, Maitland, FL*

**High School Student Outreach for Urban Ecology Lab** **July 19, 2022**

*University of Central Florida, Orlando, FL*

- Co-led thirty-minute tours of Urban Ecology Lab for Biology Summer Field Institute students
- Presented overview of research project and collection of arthropod samples

**Video Interviewee for Office of Undergraduate Research** **July 2022**

*University of Central Florida, Orlando, FL*

**Logo Designer for Research Experience for Undergraduates (REU)** **June 2022**

*University of Central Florida, Orlando, FL*

- Designed program logo for use on promotional materials, scientific posters and public presentations

**Young Voices of Science Program** **March 2022 – June 2022**

*Hubbard Brook Research Foundation, Woodstock, VT*

- Engaged in science communication training designed to empower science scholars with effective methods to share scientific work and passions with non-technical audiences

**Write for Climate Program** **March 2022**

*Audubon Florida, FL*

- Conveyed evidence-based environmental advocacy to bridge communication between researchers and the public
- Collaborated with Audubon Florida's Communications Director, Conservation Organizer, and Engagement Manager to author and publish letter to Orlando Sentinel editor

**Public Outreach Social Media Platforms: "Robin's Outdoors"** **November 2021 – April 2023**

- Engaged public through Instagram and Twitter accounts (@RobinsOutdoors) with goal to educate and inspire involvement in environmental conservation

## **CONSERVATION AND RESTORATION VOLUNTEER WORK**

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**Entomology Collection Volunteer** **September - December 2023**

*University of Central Florida Collection of Arthropods, Orlando, FL*

- Processed insect specimens via sorting, pinning, point mounting, and identification

**Entomology BioBlitz Volunteer** **October 14, 2023**

*University of Central Florida Collection of Arthropods, Econ River Wilderness Area, Oviedo, FL*

**Entomology BioBlitz Volunteer** **April 25, 2023**

*University of Central Florida Collection of Arthropods, Black Hammock Wilderness Area, Oviedo, FL*

**Pollinator Garden Volunteer** **July 22, 2022**

*University of Central Florida Arboretum, Orlando, FL*

**Mangrove Garden Volunteer** **May 29, 2022**

*University of Central Florida Coastal and Estuarine Ecology Lab, Orlando, FL*

<b>Living Shoreline Restoration Volunteer</b>	<b>May 26, 2022</b>
<i>University of Central Florida Coastal and Estuarine Ecology Lab, New Smyrna Beach, FL</i>	
<b>Indian River Lagoon Aquatic Preserves Team Volunteer (Alternative Spring Break)</b>	<b>March 6 – 9, 2022</b>
<i>Florida Department of Environmental Protection, Titusville, FL</i>	
<ul style="list-style-type: none"> <li>• Surveyed, measured and tagged beach nesting horseshoe crabs for Florida Horseshoe Crab Watch</li> <li>• Surveyed nesting roseate spoonbills and wood storks in critical wildlife area</li> <li>• Restored least tern habitat on spoil island via invasive vegetation removal</li> <li>• Installed native plants and educational signage for pollinator garden at Titusville Field Office</li> </ul>	
<b>Raptor Trauma Clinic Volunteer</b>	<b>February 12, 2022</b>
<i>Audubon Center for Birds of Prey, Maitland, FL</i>	
<ul style="list-style-type: none"> <li>• Performed nighttime relocation and release of newly rehabilitated screech owl</li> </ul>	
<b>Eagle Nest Park Restoration Volunteer</b>	<b>January 17, 2022</b>
<i>Keep Orlando Beautiful, Orlando, FL</i>	
<b>Bird Banding Volunteer</b>	<b>October 2021 – April 2022</b>
<i>Wekiva Basin Bird Banding Station, Altamonte Springs, FL</i>	
<ul style="list-style-type: none"> <li>• Retrieved wild birds caught in mist nets for banding; released birds after banding</li> <li>• Identified and cleared invasive vegetation from research grounds as needed</li> </ul>	
<b>Ornithological Community Scientist</b>	<b>October 2021 – Present</b>
<i>Cornell Lab of Ornithology/eBird</i>	
<ul style="list-style-type: none"> <li>• Contributing to one of the world's largest biodiversity science projects through routine bird surveying</li> <li>• Documenting distribution, abundance, and habitat use of over 140 bird species using online database</li> </ul>	
<b>OTHER CERTIFICATIONS AND TRAINING</b>	
<b>Hands-Only CPR, AED, and First Aid Training</b>	<b>May 2022</b>
<i>American Red Cross</i>	
<b>Florida-Friendly Landscaping™ Certified Professional (FFLCP)</b>	<b>December 2021</b>
<i>University of Florida, Institute of Food and Agricultural Sciences</i>	
<b>Produce Safety Alliance (PSA) Grower</b>	<b>September 2021</b>
<i>Cornell University, College of Agriculture and Life Sciences</i>	
<b>Green Industries Best Management Practices (GI-BMP)</b>	<b>April 2021</b>
<i>University of Florida, Florida Department of Environmental Protection</i>	
<b>Certified Horticulture Professional (FCHP)</b>	<b>April 2021</b>
<i>Florida Nursery, Growers, and Landscapers Association</i>	