

Adam Herdman

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Education

Bachelor of Science - Illinois College, Jacksonville, Illinois	May 2018
Master of Science – Southern Illinois University, Edwardsville, Illinois	May 2022
Doctorate of Environmental Horticulture – University of Florida	May 2027

Work History

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- Illinois College Information Technology** - 1101 West College Ave, Jacksonville **2014-2018**
 - IT Technician **2014-2015**
 - Answered calls, updated equipment, classroom assistance, password security.
 - Senior Advisor **2015-2018**
 - Handles the more difficult technical problems and serves as an advisor to the IT service desk.
 - In charge of training new employees who need to learn how to handle situations at IT.
 - Starhill Forest Arboretum Internship** - 12000 Boy Scout Trail, Petersburg, IL **2015**
 - Starhill Forest Intern
 - Managed the grounds, investigated tree health, and helped with tours.
 - Student Defined Internship** - 1101 West College Ave, Jacksonville **2016-2017**
 - Biology Department Intern
 - Developed and created a web domain through the Illinois college SharePoint system to work with Starhill Forest Arboretum. updated the website for the arboretum as well.
 - Morgan County GIS** - 300 W State St, Jacksonville, IL 62650 **2018**
 - Morgan County Intern
 - Worked with GIS data from the IL department of transportation and the morgan county fire department. Tracked down and updated points for the locations of Tornado Sirens, which had not been done since the 1990s.
 - Illinois College Research Internship** - Florida Panther National Wildlife Refuge **2018**
 - Research lead
 - Collaborative internship between the Naples Orchid Society, Illinois College, and the Florida Panther National Wildlife Refuge. Tasked with improving and expanding the orchid inventory on the FPNWR. Digitized the orchid scale survey from 2012.
 - SIUE Cougar Village Residential Life** - Cougar Village Apt. Edwardsville, IL 62025 **2020-2022**
 - Desk Manager **2020-2021**
 - Cougar Village Mailroom **2021-2022**
 - Southern Illinois University Edwardsville** - 1 Hairpin Dr, Edwardsville, IL 62026 **2020-2022**
 - Teaching Assistant

- Taught labs sections for courses (BIOL 240a, BIOL240b) in Anatomy and Physiology.
- Included advising students, facilitating a learning environment while maintaining a safe lab space during COVID, grading, and managing blackboard entries.

8. **University of Texas at Arlington** - 701 S Nedderman Dr, Arlington, TX 76019 **2023**
- College Of Liberal Arts, Deans Office, Senior Office Assistant
 - Managed account and requisitions
 - Managed inquiries for 12 departments.
9. **University of Florida** - Gainesville, FL 32611 **2023-Present**
- Institute of Food and Agriculture, Department of Environmental Horticulture, Graduate Assistant
 - Coordinated between UF, IC, FWS, FGCU, NOS to complete projects in orchid conservation

Publications and Presentations

- Poster**, Presentation, Columbia, MO **Jul 2015**
- Interdisciplinary Plant Group (IPG), with co-presenter: Justin Mably
- Presented**, Naples Orchid Society, Naples, FL **Jul 2016**
- Presentation to NOS at the monthly meeting, co-presenter: Jack Waggoner
- Presented**, Florida Panther National Wildlife Refuge, Immokalee, FL **Jul 2016**
- Presentation to the FPNWR Staff, co-presenter: Jack Waggoner
- Presented**, Illinois College Celebration of Excellence, Jacksonville IL **Apr 2017**
- Presented**, Illinois State Academy of Science, Palatine, IL **Apr 2017**
- Presented**, Naples Orchid Society, Naples, FL **Jul 2017**
- Presentation to NOS at the monthly meeting, co-presenter: Connor Melton
- Presented**, Florida Panther National Wildlife Refuge, Immokalee, FL **Jul 2017**
- Presentation to the FPNWR Staff, co-presenter: Connor Melton
- Presented**, University at Pinar Del Rio, Cuba **Oct 2017**
- University at Pinar Del Rio International Conference
- Presented**, Illinois State Academy of Science, Decatur, IL **Apr 2018**
- Presented**, Morgan County Garden Club, Jacksonville, IL **Jun 2018**
- Presented**, Naples Orchid Society, Naples, FL **Jul 2018**
- Presentation to NOS at the monthly meeting, co-presenter: Michael Weisenfelder
- Presented**, Florida Panther National Wildlife Refuge, Immokalee, FL **Jul 2018**
- Presentation to the FPNWR Staff, co-presenter: Michael Weisenfelder
- Presented**, Florida Panther National Wildlife Refuge, Immokalee, FL **Jul 2019**
- Presentation to the FPNWR Staff, co-presenter: Michael LaRusso, Jiaqi Lu

- Presented**, Florida Panther National Wildlife Refuge, Immokalee, FL **Jul 2020**
 ➤ Presentation to the FPNWR Staff, co-presenter: Michael LaRusso, Jiaqi Lu
- Presented**, Naples Orchid Society, Naples, FL **Jul 2021**
- Presented**, Florida Panther National Wildlife Refuge, Immokalee, FL **Jul 2021**
 ➤ Presentation to the FPNWR Staff
- Authorship**, Proceedings of the World Orchid Conference, **March 2021**
 ➤ Zettler, LW, AR Herdman, EB Mujica, EH Gonzalez, ME Kane, A Camejo Vergara, and MW Danaher. 2021. Conserving the Ghost Orchid (*Dendrophylax lindenii*) of Florida and Cuba: How Close Are We? Proceedings of the 2021 Virtual World Orchid Conference, Taichung, Taiwan, pp. 256-261. (ISBN 978-986-97090-4-0)
- Poster**, Illinois State Academy of Science, Remote **Apr 2022**
- Presented**, Naples Orchid Society, Naples, FL **Jul 2022**
 ➤ Presentation to NOS at the monthly meeting.
- Presented**, Florida Panther National Wildlife Refuge, Immokalee, FL **Jul 2022**
 ➤ Presentation to the FPNWR Staff
- Authorship**, MDPI **2022**
 ➤ “The projected status of the endangered Ghost Orchid, *Dendrophylax lindenii*, in south Florida during the next decade based on temporal dynamic studies spanning six years”
- Authorship**, MDPI **2023**
 ➤ “Initial population analysis and mycorrhizal fungi of the leaf-less epiphytic orchid, *Campylocentrum pachyrrhizum*, in Florida”
- Presented**, Chelsea Flower Show 2023, The Royal Hospital, Chelsea, London **May 2023**
 ➤ Presented on the ecology and populations of *Dendrophylax Lindenii* in an exhibition on the native orchids of Florida and conservation.
- Presented**, Naples Orchid Society, Naples, FL **Jul 2023**
 ➤ Presentation to NOS at the monthly meeting.
- Presented**, Florida Panther National Wildlife Refuge, Immokalee, FL **Jul 2023**
 ➤ Presentation to the FPNWR Staff.
- Presented**, 4940 Bayshore Dr, Naples, FL 34112 **Nov 2023**
 1. Presentation at ghost orchid conservation workshop with land managers and scientists.
- Presented**, 8841 Kensington Branch Parkway Chevy Chase MD **Nov 2023**
 2. Presentation to the National Capitol Orchid Society in D.C.
- Presented**, University of Florida, 2550 Hull Rd., Gainesville, FL 32611 **March 2024**
 ➤ “Sink or Swim? Conservation of Native Orchids and the Ghost Orchid” ORH 1283
- Presented**, Chelsea Flower Show 2024, The Royal Hospital, Chelsea, London **May 2024**
 ➤ Represented UF at the Chelsea Flower Show in London in an exhibition on the orchids from the United Kingdom, India, and North America.

Presented, Society of Wetland Scientists, Pensacola, FL

Jun 2024

- “The Reintroduction of the Ghost Orchid (*Dendrophylax lindenii*): Survival and attachment of Plants Germinated *Ex Situ*”

Academic Honors and Awards

UF Scully Fellowship in Orchid Research

Aug 2023

- A 4-year scholarship renewed annually that requires teaching, publications, and research in the field of orchids.

SIUE Residential Life Dean’s List Award

Jan 2022

- Received a 4.0 in the fall of 2021 and received an award in the spring.

Soroa Orchid Botanical Garden Research Recognition

Jul 2020

- Awarded for continual dedication to the joint research in Florida and Cuba.

ISAS Certificate of Excellence for undergraduate oral presentation in Botany

Apr 2017

- Awarded for the best undergraduate presentation in the section. Came with a 50\$ reward.

Beecher Scholarship at Illinois College

Aug 2014

- Awarded for academic excellence in incoming students. Came with a 64,000\$ scholarship spread over 4 years.

Grants and Funding

SIUE RGGS

2020

- Research Grants for Graduate Students (RGGS) is a small research grant awarded to graduate students for their projects. 500\$ was awarded for the research in Florida and for sequencing Fungus from the Ribbon Orchid.

Venice Orchid Society

May 2023

- \$1500 awarded for the research pertaining to my PhD

Florida Native Plant Society

May 2024

- \$2500 awarded for the research pertaining to my PhD

Native Orchid Conference Fred Case Grant

May 2024

- \$1200 awarded for the research pertaining to my PhD

International Travel

Chelsea Flower Show in the United Kingdom

May 2024

- Travelled to London and Represented UF at a booth on orchid conservation in the United Kingdom, India, and North America

Chelsea Flower Show in the United Kingdom

May 2023

- Travelled to London and presented on the ecology and populations of *Dendrophylax Lindenii* in an exhibition on the native orchids of Florida and conservation.

Illinois College Research in Cuba

Mar 2019

- Travelled to Guanahacabibes Cuba to conduct Field research on the ghost orchid there for comparison to the studies in the united states.

University at Pinar Del Rio International Conference in Cuba	Oct 2017
➤ Presented on the data collected on the ghost orchid in Florida and Cuba.	
Illinois College Research Trip to Cuba	Mar 2017
➤ Travelled to Guanahacabibes Cuba to conduct Field research on the ghost orchid there for comparison to the studies in the united states.	
Illinois College Tropical Ecology Trip to Costa Rica	Feb 2016
➤ Travelled to Costa Rica as part of the Tropical Ecology course at Illinois College, The project or interest there for me was on leaf cutters and the collection of leaf litter.	
Illinois College BreakAway Trip to Cuba	Jun 2016
➤ Travelled to Cuba as part of a Spanish global experience.	
Spanish global experience Trip to Peru	Jun 2013
➤ Travelled to Peru as part of a Spanish global experience.	
 Extracurricular Activities	
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Environmental Horticulture Graduate Student Association	2024-Pres
➤ Faculty Representative	
○ Attended faculty meetings and served as liaison to the graduate student club.	
Southern Illinois University Cougar Village Area Council	2019 - 2022
➤ Council Secretary	
○ Recorded meeting notes, helped schedule the Graduation block party and other small events.	
Southern Illinois University Conservation Club	2019-2022
Illinois College Student Senate	2017 - 2018
➤ Student Life Chair	2017-2018
○ Headed the projects on pets and mental health with Residential Life.	
➤ Class of 2018 Vice Chair	2017-2018
○ Helped schedule and plan the graduation ceremonies for the class of 2018 and coordinate the festivities at the 2018 bar crawl.	
➤ Constitutional Ad-Hoc Committee	2018
○ Met with the student senate board to audit the constitutional language and update portions of the document.	
➤ Student-Faculty Interest Committee	2018
○ Small sub committee that was started to bridge the gap between faculty and student interests with the administration.	
➤ Academic Board of Dishonesty	2018
○ A small committee of students and faculty review and hear the students in cases of academic dishonesty.	
Illinois College Biology club	2014 - 2018