

Ansley Williamson

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EDUCATION

College of Charleston, Charleston, SC
M.S. Environmental and Sustainability Studies

Expected May 2023

The University of Hawai'i at Mānoa, Honolulu, HI
B.S. Environmental Management & Natural Resources

May 2019

- Senior Thesis: Predation Control on the O'ahu 'Elepaio of Wailupe Valley: A Cost-Benefit Analysis
- Honors: National Society of Leadership & Success, Peace Corps Preparation Certificate

Relevant Coursework: Hydrogeology, Biometry, Conservation Biology, GIS for Community Planning, Disease Ecology, Biodiversity Management

COMPUTER SKILLS

Microsoft Office (proficient); G-suite (proficient); Outlook (proficient); Adobe Acrobat (proficient); iMapInvasives (proficient); R software (intermediate); ArcGIS (intermediate); Microsoft Access (intermediate); ERP softwares (proficient).

RESEARCH EXPERIENCE

What can the soundscape of ephemeral wetlands tell us about the drivers of songbird and anuran community composition and diversity?

Master's Thesis, *Charleston, SC*

May 2022-present

- Deploy audio recorders to quantify the soundscape of ephemeral wetlands for songbird and anuran diversity
- Use results to develop a clearer understanding of ephemeral wetland optimal management and monitoring
- Answer the following questions: Q 1: Are ephemeral wetland soundscapes different from paired upland dry sites? Q 2: How do wetland attributes impact species distributions and biodiversity? Q 3: Are automated methods redundant or complementary to human detection methods?

Predation Control on the O'ahu 'Elepaio of Wailupe Valley: A Cost-Benefit Analysis

Senior Thesis, *Honolulu, HI*

August-December 2018

- Collaborated with Pacific Rim Conservation
- Developed conservation plan for the critically endangered native bird, the O'ahu 'Elepaio
- Completed stakeholder and environmental-benefit cost analysis, field surveys, recorded the number of species in the valley, nests, implemented anti-rodent measures and protective enclosures throughout the valley

Kahana Stream Restoration Project

Volunteer, *Honolulu, HI*

January-May 2018

- Captured fish using seine nets, identified fish species, examined and recorded the length of each fish
- Used recorded data to determine the health of the stream and recommend restorative measures to improve native fish population throughout the stream ecosystem

RELEVANT PROFESSIONAL EXPERIENCE

College of Charleston, Honors College, Charleston, SC

August 2021-present

Graduate Assistant: Research Grant Coordinator

- Coordinates the evaluation of grant applications and projects that are funded by grants
- Develops and maintains specialized databases and systems for recording and tracking grant proposals, awards, and related statistical information: creates and distributes standard and special

reports, summaries, and analyses

- Supervises undergraduate intern in daily tasks and overarching goals

Seabrook Island Audubon Shorebird Survey, Seabrook Island, SC

June-October 2022

Volunteer

- Performed point count surveys at 5 sites for all shorebird bird species to determine population change and management targets.
- Collected visual behavior data of target species in 1-minute intervals for a total of five minutes per site.

Charleston Waterkeeper, Charleston, SC

May-August 2022

Water Quality Monitoring Volunteer

- Used YSI water quality meter to collect pH and salinity data at 10 different sites weekly.
- Collected water samples, recorded water temperature, and recorded observational data at 10 different sites to provide water condition information to the public on a weekly basis.

W International, Charleston, SC

August 2020-August 2021

Environmental Quality Associate

- Developed a company-wide environmental management system
- Implemented waste minimization plan & acquired appropriate sandblasting permitting
- Worked as a team of certified internal auditors to earn AS9100 and ISO14001 certification
- Enforced quality system and document control requirements, developed ERP system work instructions

Department of Homeland Security HQ, Washington, DC

May-August 2018

Sustainability & Environmental Program Intern

- Developed projects to reduce greenhouse gas emissions, energy, water, and waste at facilities and operate high-performance sustainable buildings and fleets
- Provided analysis and evaluation of planned efforts targeting enhancing sustainability and resilience of DHS assets and infrastructure

Fish and Wildlife Services, Honolulu, HI

October 2017-January 2018

Ecological Services Intern

- Managed records and supported senior technical experts who administered the endangered species act
- Developed knowledge and understanding of the NEPA process

LICENSES AND CERTIFICATIONS

Peace Corps Preparation Certificate; CPR/First Aid Certification; AS9100 Quality Certification; SC State Driver's License Class D; 200-Hr Yoga Teacher Certification; Trained in Leave No Trace (LNT)

AWARDS

Research Assistantship (\$13,200)

Fall 2022- Spring 2023

SCMA Scholarship (\$500)

Fall 2022

National Society of Leadership & Success

May 2019

Miss Kitsap Scholarship (\$1,000)

January 2014

Ford Blue Oval Scholarship (\$2,500)

May 2015

REFERENCES

Dan McGlenn
Master's Thesis Advisor at
College of Charleston
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Dr. Andrea Jani
Professor, University of Hawai'i
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