TREVOR NISHIDA

🎓 EDUCATION

**2023
|
2019**

B.S., Marine Science. (minor Chemistry)
University of Hawaii at Hilo   📍 Hilo, HI

- Certificate in Data Science
- Thesis: "Diving in Deep: Deep learning for identification of yellow tang (*Zebrasoma flavescens*) grazing behavior in Hawaii"

💼 WORK EXPERIENCE

**Present
|
2024**

HCRI Fisheries Database Assistant
Hawaii Coral Reef Initiative   📍 Hawaii Division of Aquatic Resources

- Provide accurate information pertaining to commercial fishing licensing both in person and over the phone
- Enter mailed in paper fishing reports to a digital database, ensuring accurate commercial fisher reporting
- Communication with the general public in order to get corrections for any reporting discrepancies on commercial fishing reports
- Preparation of data summaries and visuals to communicate fishery data to a general audience.
- Development of a data dashboard using Quarto and R to track and communicate important commercial species' catch limits to the stakeholders.
- Creation of various R scripts to assist the division in data quality assurance and control.
- Conduct spatial data explorations into the potential of commercial fishery trends across the Main Hawaiian Islands.

**23-Oct
|
23-May**

Pacific Islands Fisheries Science Center Young Scientist Opportunity
Pelagic Research Program   📍 NOAA Inouye Regional Center

- Compiled various sources to create a comprehensive list of marine fauna for the Hawaii EEZ.
- Worked to analyze large amounts of environmental DNA data in R & RStudio.
- Combined eDNA and environmental driver data to explore relationships across ecological gradients.
- Presented internship accomplishments as part of a symposium with other NOAA interns.
- Ran machine learning assisted clustering algorithms to explore ecological gradients.
- Visualized taxonomic trees using a variety of methods to convey complex relationships.

CONTACT

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- in trevornishida

TECHNICAL SKILLS

I have a strong foundational knowledge in data analytics for ecological research and visualization. My technical skills:

- ® R and R Studio
- 📊 Data visualization & presentation
- 🗄 Data cleaning and wrangling
- 🐍 Python
- Video editing
- HTML & CSS

Undergraduate Summer Research Intern

22-Aug
|
22-May

J Madin Lab   📍 Hawaii Institute of Marine Biology

- Mixing and deairing of ceramic clay.
- Operation of a 3D printer to print various structures using clay as a medium.
- Operation of a kiln to fire 3D printed ceramic structures.
- Utilization of a laser-scanner to create high resolution 3D models of objects in real life.
- Assisted in the collection of coral gametes in a controlled enviroment.
- Aid research with coral larvae settlement experiments in tanks.
- Deployment and surveying of 3D printed ceramic structures onto a reef environment.
- Mixing of concrete to create structures of varying complexity with silicone molds.
- Collection of coral larvae settlement data on 3D printed structures.

MEGA Lab Student Research Assistant

2023
|
2022

College of Natural Health Sciences   📍 Hilo, HI

- Annotation of high resolution coral reef images on Coralnet
- Annotation of coral reef 3D models built using Structure-From-Motion Photogrammetry in ArcMap
- Identification of Hawaiian coral colonies to the species level

Campus Center Administrative Assistant

2023
|
2020

University of Hawaii at Hilo - Campus Center   📍 Hilo, HI

- Conduct interviews with and review applicant materials for new hires to Campus Center.
- Training of new hires on ID creation, gameroom operations and campus center event procedures.
- Work with Campus Center patrons to coordinate and plan events in reservable spaces.
- Creation of COVID compliant reservation layout designs and related materials.
- Solve various technical issues related to computer hardware and software for Campus Center programs.
- Creation and validation of University of Hawaii ID cards for university students, faculty, staff and affiliated personnel including affiliate faculty, RCUH, and other related personnel.
- Various clerical tasks to assist the Campus Center administration as required.
- Provide assistance, equipment rental and supervision for events held in the facility by various community patrons and University of Hawaii departments.
- Complete various maintenance tasks in order to keep the facility in a presentable state.
- Operation and maintenance of a gameroom and equipment used in the area, keeping equipment sanitary, presentable and in working condition.

🖥 PRESENTATIONS

Diving in Deep: Deep learning for identification of yellow tang (*Zebrasoma flavescens*) grazing behavior in Hawaii

Nishida, T.D.S.   📍 Hawaii Conservation Convention 2023

- Award for "Outstanding Undergraduate Student Oral Presentation"
- Availiable Online[1]

🔗 LINKS

1: https://vimeo.com/912731687#t=30m10s