TREVOR NISHIDA

🎓 EDUCATION

**2023
|
2019**

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

· Certificate in Data Science

💼 WORK EXPERIENCE

**Current
|
24-Feb**

● **HCRI Fisheries Database Assistant**
Hawaii Coral Reef Initiative 📍 Hawaii Divison of Aquatic Resources

· Provide accurate information pertaining to commercial fishing licensing both in person and over the phone.
· Entered mailed in paper fishing reports to a digital database, ensuring accurate commercial fisher reporting
· Communicated with the general public in order to get corrections for any reporting errors on commercial fishing reports
· Prepared 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 general public.
· Creation of various R scripts to assist the division in data quality assurance and control.
· Spatial data analysis regarding potential commercial fishery trends across the Main Hawaiian Islands

**23-Oct
|
23-May**

● **Pacific Islands Fisheries Science Center Young Scientist Opportunity Intern**
Pacific Islands Fisheries Science Center 📍 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.

View this CV online with links at *trevornishida.com/cv*

CONTACT

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in trevornishida

22-Aug | **22-May**

Undergraduate Summer Research Intern
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.

2023 | **2022**

MEGA Lab Student Research Assistant
University of Hawaii at Hilo - 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

2023 | **2022**

Campus Center Administrative Assistant
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.
- Various clerical tasks to assist the Campus Center administration as required.

2022 | **2021**

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

- Report to the facility early in order to prepare the facility for public use during the day.
- Stay after hours in order to sanitize and secure the facility.
- 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.
- Train new hires on proper procedures to keep the facility safe and secure.

2022 | 2020

Lava Landing Attendant
University of Hawaii at Hilo - Campus Center   📍 Hilo, HI

- Provide accurate information pertaining to campus both in person and over the phone.
- Operation and maintenance of a gameroom and equipment used in the area, keeping equipment sanitary, presentable and in working condition.
- Assisting Campus Center staff with events, special projects, and other duties.
- 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.
- Answering questions related to programs, services and activities in the Campus Center or, if necessary, in other departments and programs on-campus.
- Operation of a cash register, and giving change for cash transactions related to University of Hawaii ID cards.

🖥 PERTINENT SKILLS

R

- Statistical analysis of datasets
- Cleaning, transformation, and reorganization of large datasets using the "tidyverse" standard
- Creation of scientific publication ready tables and figures
- Development of web applications and data dashboards in the "Shiny" & "Quarto" frameworks
- Experience accessing and working with data stored in SQL databases using R
- Modularization of code using functions and minimal redundancy.

3D Modeling

- Construction and manipulation of 3D models using photogrammetry techniques and Agisoft Metashape, blender, and Paint 3D
- Creation of 3D scenes & workspaces in UE4 and blender
- Experience building 3D models in Autodesk CAD & Fusion 360

Photography & Videography

- Skills in DSLR photography for scenic, portrait and action photography
- Post-production editing using Adobe Photoshop, Lightroom & Affinity Photo
- Video editing skills in Adobe After Effects, Adobe Premier, Final Cut Pro, and Da Vinci Resolve

Webpage Design

- Experience using HTML, CSS, and Javascript through the Bootstrap Framework
- Creation of functional websites using GitHub Sites
- Familiar with FTP and SSH workflows to access files on a remote server.

Artificial Intelligence & Machine Learning

- Development of a object detection model via transfer learning.
- Familiar with machine learning assisted data analysis algorithms such as K-Means Clustering, Boosted Regression Trees, and Principle Component Analyses