TREVOR NISHIDA

I am currently an undergraduate student at the University of Hawaii at Hilo majoring in Marine Science with an interest in coral morphological plasticity and the coral microbiome. I also have an interest in data science tools and artificial intelligence. My largest project to date was the creation of a prototype data dashboard for Hawaii County[1] and I am obsessed with learning about novel tools being created for the programming language R.

🎓 EDUCATION

B.S., Marine Science. (minor Chemistry)

University of Hawaii at Hilo

📍 Hilo, HI

2023 | 2019

· Certificates in Marine Option Program & Data Science

💼 WORK EXPERIENCE

Undergraduate Summer Research Intern

J Madin Lab

📍 Hawaii Institute of Marine Biology

Aug-22 | May-22

· 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

University of Hawaii at Hilo - College of Natural Health Sciences

📍 Hilo, HI

Current | 2022

· Annotation of high resolution coral reef images on Coralnet
· Statistical analyses of data pertaining to the natural sciences.

Campus Center Administrative Assistant

University of Hawaii at Hilo - Campus Center

📍 Hilo, HI

Current | 2022

· 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
- Creation of publication ready graphics
- Development of web applications and data dashboards

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 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 iMovie

Webpage Design

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

- **Python**

  · Statistical analysis and manipulation of datasets

🔗 LINKS

1: https://trevornishida.shinyapps.io/CountyDashboard/