

# MICHELLE YI

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## EXPERIENCE

**MAY 2022 – AUGUST 2022**

**REU INTERN**, FLORIDA INTERNATIONAL UNIVERSITY (DR. GAISER/ FRESHWATER ECOLOGY)

- Worked closely with PhD mentor.
- Built and deployed field equipment (NDS devices and HOBO deployment.)
- Processed periphyton samples in the lab (Chlorophyll-A analysis, dry-ashing, decanting, diatom digestion, slide creation).
- Assisted in writing and conducting experiments.
- Presented findings in symposium and poster session.

**JULY 2022 – NOVEMBER 2024**

**LAB ASSISTANT**, FLORIDA INTERNATIONAL UNIVERSITY (DR. GAISER/FRESHWATER ECOLOGY LABORATORY)

- Performed a variety of complex and routine research and data processing duties such as LOI, water quality, and carbon-nitrogen analysis, sample collection via helicopter or airboat, and periphotometer cleaning.
- Assisted with setting up surveys and deploying research equipment according to protocol throughout the Everglades National Park (ENP).
- Entered data into database as requested.

**JAN 2023 – AUGUST 2024**

**RESEARCH INTERN**, FLORIDA INTERNATIONAL UNIVERSITY (DR. BUTLER/COASTAL CONSERVATION AND RESTORATION LABORATORY)

- Performed numerous routine, maintenance, and research tasks (feeding, measuring and caring for crustaceans, siphoning tanks, taking salinity, temperature, and DO measurements).
- Entered data into database as requested.
- Assisted with setting up surveys and other research protocol.
- Trained newcoming interns on routine, maintenance and research tasks.

**MARCH 2023 – PRESENT**

**RESEARCH INTERN**, FLORIDA INTERNATIONAL UNIVERSITY (DR. HEITHAUS/MARINE COMMUNITY AND BEHAVIORAL ECOLOGY LABORATORY)

- Performs numerous routine and research protocol such as homogenizing, freeze-drying, and processing shark and bony fish stable isotope analysis (SIA) samples as well as spinning blood/muscle tissue.
- Entering data into database as requested.
- Monthly trips to Rookery Bay, Naples and the ENP conducting field work involving active tracking of juvenile bull sharks. Field work includes drum lining, longlining, setting up and taking apart fishing gear, boat maintenance, and satellite and acoustic tag deployment.
- Partners with science communication and activist groups such as ANGARI by engaging with local middle/high schools teaching marine conservation topics and shark handling procedures.

**OCTOBER 2023-FEBRUARY 2024**

**RESEARCH INTERN/FIELD BIOLOGIST, STANTEC**

- Identified native and exotic species in southwest Florida.
- Ground and porewater analysis, tree island monitoring.
- Assisted in assessing exotic species treatment success.
- Supported and performed wetland delineations.
- Assisted with wildlife surveys and habitat assessments for listed species.
- Recorded, entered, organized, managed, and analyzed data.
- Assisted in the preparation of report documentation and supporting materials for client and regulatory agency submittals.

**NOVEMBER 2024-PRESENT**

**STUDENT RESEARCH ASSISTANT, FLORIDA INTERNATIONAL UNIVERSITY (DR. FOURQUREAN/SEAGRASS ECOSYSTEM AND RESTORATION LABORATORY)**

- Performs a variety of complex and routine research in field/lab settings such as total phosphorous, stable isotope, LOI, carbon-nitrogen, and water quality analysis, boating, boat maintenance, turbidity measurements, seagrass scrapping, and homogenization.
- Assists with setting up surveys and other research protocol instruments all throughout the Biscayne Bay and Florida Keys.
- Enters data into database as requested.
- Assists in the compilation and distribution of reports related to research findings.

**EDUCATION**

**DEC 2021**

**ASSOCIATES DEGREE, BROWARD COMMUNITY COLLEGE**

**JAN 2022-PRESENT**

**BACHELORS DEGREE, FLORIDA INTERNATIONAL UNIVERSITY**

**SKILLS**

- Field experience in both wetland and marine environments (ENP: Southern Glades, Turkey
- Experience operating field vehicles (4-wheel drive trucks)

Point, Flamingo, TS, SRS, Rookery Bay, West Palm Beach)

- Bilingual: English and Spanish

- Learning R code, Image J, and ArcGIS programs

## **ACTIVITIES**

**MAY 2021 – AUGUST 2021**

### **VOLUNTEER, MARINE EDUCATION INITIATIVE**

- Planting, harvesting, and transplanting plants (mainly lettuce heads) for the Boca Raton community food banks

**MAY 2021 – AUGUST 2021**

### **VOLUNTEER, GUMBO LIMBO NATURE CENTER**

- Greeted and educated guests on marine conservation topics and many of Florida's most popular east coast marine species
- Led guided tours around the nature center
- General cleaning maintenance around the facility
- Under supervision, would occasionally help prepare daily diets for rehabilitated animals