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Education

University of California, Irvine - Irvine, CA

June 2022

BA in Environmental Science and Policy (ENSP)

BS in Earth System Science (ESS)

- Specializations: Atmospheric Sciences, Oceanography, Hydrology, and Terrestrial Ecosystems
- Minor in Statistics

Work Experience

New Hope Academy of Gymnastics - Fountain Valley, CA

Sept. 2019 - Present

Men's Team Manager and Head Coach

- Instruct teams of 5-15 boys in the fundamentals of gymnastics while inspiring them to strive for their goals
- Manage, train, advise, and mentor 10+ coaches to teach gymnastics safely and positively for children of all ages
- Coordinate lesson plans and adapting to the progress of athletes, as well as organizing practice and competition schedules to ensure readiness
- Evaluated and guided over 100 gymnasts, cheerleaders, tumblers, and circus acrobats with skills and techniques

The Green Initiative Fund - Irvine, CA

Oct. 2019 - June 2021

Accounting Commissioner

- Budgeted quarterly and annual finance sheets
- Allocated funds for all projects and followed project progression to ensure responsible spending (i.e.: UCI Solar Car)
- Balanced past finance sheets that were out of order and updated recurring annual expenses
- Created a master budget sheet and template that includes all past or future project budgets

Research Experience

GIS Research under Dr. Crook - Irvine, CA

Sept. 2022 - Present

Student Research Intern

- Collecting relevant demographic and environmental data to be investigated in a GIS context for deeper understanding of both issues and steps necessary to reach a solution
- Conducting analysis on soil health, relative humidity, wind, temperature, and sea level changes in Orange County using GIS software
- Investigating the effects of environmental variables on local animal habitats and migration

Rafter Lab under Dr. Patrick A. Rafter - Irvine, CA

August 2021 - July 2022

Student Research Intern

- Utilized GIS analysis and calculations to estimate various aspects (size, shape, area, health) of foraminifera fossils
- Extracted then diagnosed various foraminifera fossil species and conducted sample preparation for carbon dating analysis weekly
- Trained high school and other undergraduate interns on the lab protocols and procedures weekly

Goulden Lab under PhD Student Nikki Fiore - Irvine, CA

Oct. 2019 - March 2020

Student Research Intern

- Assisted in field collection and measurements of soil cores, plant biomass, and plant species identification
- Prepared samples for further analysis in associated lab tasks related to quantification of ecosystem carbon pools instrumental to research goals
- Taught associated lab and field tasks to 3 new undergraduate interns so they could perform properly

Skills and Certifications

GIS and Geospatial Technology Graduate Certificate from UCLA Extension

March 2023

Operating Systems: QGIS Remote Sensing, ArcGIS Pro, and ArcMap

Programming Languages: Python Data Analysis, MATLAB, and R Studio

Lab Experience: General Chemistry Lab, Organic Chemistry Lab, Physics Lab

Grants/Awards

- NASA CA Space Grant (Winter 2020) - awarded \$1,111 for consecutive and consistent participation in undergraduate research.