Nirav Venkatesan

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Profile

Highly motivated front-end web developer with a background in biology. My coding experience has allowed me to build various interactive web pages and applications. In my science background, I have worked in various laboratory settings and participated in research using field data. Overall, I am highly adaptable to any work setting and skilled in communicating and working with a team.

Projects

Golfapedia: https://nirav-v.github.io/golfapedia/
- Application that allows users to see nearby golf courses and weather in the city they search, and save specific courses in their own list. Built with HTML, CSS, Javascript. Data obtained from Google Maps Javascript API and Open Weather API.

hesh-hour: https://nirav-v.github.io/hesh-hour/
- Hourly work day scheduler in which users can write out tasks/activities for the upcoming work day and have them saved and updated in local storage. Built using HTML, CSS, and jQuery.

code-query: https://nirav-v.github.io/code-query/
- User completes a simple code quiz where questions are presented one at a time and their high score is rendered on a scoreboard along with all other past users.

Skills and Experience

Technical Skills
- HTML, CSS, Javascript, jQuery, Node.js, Python, R

Certifications   March 2022 - Present

UCSD Coding Bootcamp (Full Time - in progress)
- Immersive, fast-paced course covering full-stack web development (HTML, CSS, Javascript and backend frameworks)
- Built and deployed several projects from scratch with teams of other developers

Work Experience   Summer 2021

US Fish and Wildlife Service Directorate Fellows Program
- Tracked compliance on management of conservation banks
- Extensively assessed legal agreements between land managers and USFWS to determine management requirements.
- Utilizing professional writing and communication skills for discussing noncompliance issues with various land management entities.
- Familiarized with Endangered Species Act, Clean Water Act, and CEQA regulations

Research Experience   Spring 2021

Undergraduate Assistant in Dr. Rulon Clark's Behavioral Ecology Lab at SDSU
- Researched behavioral characteristics of hybrid rattlesnake population.
- Participated in behavioral analysis of hunting videos using BORIS software (restricted to virtual data collection and analysis due to COVID).

Lab Experience   Fall 2018-present
Lab courses in cellular and molecular biology, organic chemistry, and biostatistics
SDSU, San Diego, CA
- Wet lab experience conducting PCR, gel electrophoresis, cell culturing & microbiology assays.
- Proficient in Python, used for bioinformatics sequence analysis.
- R programming language used for statistical tests in experimental ecology.
- Experienced in scientific writing and interpreting scientific literature

Education
San Diego State University   December 2021
Bachelor of Science, Biology; Honors Minor in Interdisciplinary Studies; GPA: 3.7
Relevant Coursework (with labs): Bioinformatics, Cell and Molecular Biology, Organic Chemistry, Microbiology, Animal Physiology, Conservation Ecology.