Ralph Goguanco

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Education

University of California, San Diego — San Diego, CA
Bachelor of Science in Molecular and Cell Biology — *Graduated: June 2022*

Experience

The Sunrise Tortilla Inc. / Nutris Meals Inc. — San Diego, CA
Web and IT Management — *Jan. 2024 – June 2024*

- Provided web development and design services, managing IT infrastructure and technical support for company software and equipment.
- Ensured proper and timely corporate communication with clients, managers, and peers, and maintained general safety in corporate, commercial, and home settings.
- Demonstrated a higher than average ability to plan and organize assigned tasks and projects, along with providing general corporate office management support.

Freelance Web Developer — Jan. 2022 – Present
Self-Employed — *San Diego, CA*

- Developed and launched a portfolio website for a professional photographer, which later became her business website.
- Utilized React and MaterialUI to create a visually appealing and functional website, meeting the client's requirements.
- Worked closely with the client to understand their needs and implemented design and functionality enhancements as per feedback.

Bioinformatics — Jan. 2021 – June 2021
UCSD Biology Department — *San Diego, CA*

- Developed proficiency in R programming, utilizing its powerful statistical and data visualization capabilities, including ggplot2, heatmap, and ComplexHeatmap, to process and analyze large-scale biological datasets and create visually appealing plots, graphs, and heatmaps representing gene expression patterns and genetic variation.
- Collaborated with a team of researchers in a fast-paced laboratory environment, providing crucial support in bioinformatics data analysis and interpretation, and conducted bioinformatics analyses for specific research projects.

Projects

My Personal Website | *React, Bootstrap, Git*

- Developed a Front End website that enables me to showcase my skills and interest in development and design.

FitQuest - Fitness Web Application | *React, MaterialUI, Git, RapidAPI*

- Designed and developed the Gym Workout Manager, a dynamic fitness web application that empowers users to optimize their workouts. Integrated RapidAPI for seamless API calls to an extensive exercise database.
- Implemented a user-friendly search feature, enabling users to easily discover similar workouts and exercises.

CampBuddy - Campground Review Website | *Node.js, Express, MongoDB, Bootstrap*

- Developed a feature-rich web application for campers and outdoor enthusiasts, allowing users to create, review, and manage campgrounds.
- Utilized Node.js and Express for back-end functionality, MongoDB for database management, and Bootstrap for responsive front-end design.

Technical Skills

Languages: JavaScript, HTML/CSS, Python, R, SQL

Frameworks: React, Node.js, Material-UI, Express.js, MongoDB, Bootstrap, Bulma

Developer Tools: Git, Linux, Visual Studio, PyCharm, Figma, MuEditor