

Spencer Okamoto

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EXPERIENCE

MEDECC | FRONT END DEVELOPER AND DESIGNER

2021 – Present | Remote

- Since we are a small team, I did the majority of user interface design and usability testing of key telehealth features such as patient monitoring, messaging, and match-making.
- Coordinate dashboard redesigns and user sign-up with a team of front-end engineers through Figma wireframes and weekly meetings to confirm our development direction.
- Create user personas, storyboards, and iterate on the current and subsequent designs with feedback from healthcare professionals.

SCRIPPS INSTITUTE OF OCEANOGRAPHY | PYTHON

DEVELOPER/DATA ANALYST

2020 – 2021 | UC San Diego

- Design and perform experimental studies into seismic trends of the San Andreas Fault at Lake Cahuilla.
- Develop python scripts to visualize earthquake data and document characteristics of earthquake swarms using time series, 3D depth, Omori's Law, and Gutenberg-Richter's Law.
- Outline shortcomings of current studies and necessary adjustments to those calculations while uncovering significant bias in published data by USGS.
- Mentored by Professor Gabi Laske at Scripps' Institute of Geophysics and Planetary Physics.

PROJECTS

UI DESIGN AND ENGINEERING | PROJECT LEAD AND

PROGRAMMER

UC San Diego

- Worked in a small team to design a node.js web application with mongoDB. We coordinated on Github for source code management and developed a team matching app based on individual traits and characteristics.
- Developed paper prototypes into a web application. We iterated upon the Team Selection UI using Google Analytics to focus on ease-of-use for personal information by restricting actions into a selection grid for individual traits.

DESIGN FOR DEVELOPMENT | PROJECT LEAD AND EDITOR

UC San Diego

- Established storage and handling solutions using ethnographic research to back-up accessibility for low-income marketplaces.
- Documented the human-centered design process at Dur Dur Market, while disseminating universal guidelines to combat food insecurity in the surrounding communities.
- Coordinated with the Live Well Community Market Program and Dur Dur Market in City Heights, CA.

EDUCATION

UNIVERSITY OF CALIFORNIA, SAN DIEGO

BACHELOR OF SCIENCE IN HUMAN
COMPUTER INTERACTION

2021 | La Jolla, CA

SKILLS

PROGRAMMING LANGUAGES

Python • Java

HTML • CSS

JavaScript • JQuery

Matlab

TOOLS

Git • Github

Latex • vim

Figma

TECHNOLOGIES

Angular • Node.js

Linux • Windows 10

Bitsy • Godot Engine

COURSEWORK

UNDERGRADUATE

Interaction Design

Design for Development

Data Science

Introduction to AI

Cognitive Science Series

Cognitive Perspective Series

PERSONAL INTERESTS

CLUBS

Design at UCSD

Game Studies

HOBBIES

Cooking • Gardening

Photography • Camping

Hiking • Soccer

LINKS

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