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 tele-health features such as patient monitoring, messaging, and match-making.
- Coordinate designs with a team of front-end engineers through Figma wireframes and weekly meetings to confirm our development direction and design decisions with stakeholders and the team.
- 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

Github:// **SpencerOkamoto**
LinkedIn://
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