SANJANA NATRAJ

sanjana.natraj319@gmail.com | (650) 504-0182 github.com/sanjananatraj | linkedin.com/in/sanjana-natraj/

Education

Santa Cruz, CA

University of California, Santa Cruz

Sept 2016 - June 2020

Bachelor's, Computer Science

Work Experience

Software Engineer ZeroUI June - Sept 2021

- Optimized website's loading speed by 43% by implementing infinite scrolling using React, Async JavaScript, and Flask
- Implemented playlist functionality, tag filtering, and a user profile page with Bootstrap and SASS
- Built 15+ reusable React function components and methods for future use
- Utilized HTTP Requests and Node.js to standardize connection to backend for client-server interaction

Software Engineering Intern

Armus Corporation

June - Sept 2018

- Developed a public health reporting website for displaying cardiovascular data from 30+ Washington hospitals with HTML5, CSS, JavaScript, jQuery, and Google Maps API
- Used Jenkins, Docker, and XML to run local unit testing and fix over 100 registries
- Crafted a mockup template of an educational module with data visualization of test results and a video player using Sketch

CodeU Intern Google May - Sept 2017

- Selected for a 12-week invitation-only program, designed to provide practical coding experience and exposure to best industry practices
- Architected a chat application with a team of 3 using collaboration tools including Slack, GitHub and Google Hangouts
- Constructed client-side features such as tokenizing user input, building an interest system and a conversation access control system with Java
- Participated in regular code interviews with a Google Engineer

Software Projects

Third Wave Coffee Base (link: https://thirdwavecoffeebase.com/)

- Developed a RESTful API using Python, Flask, and SQL that returns data of coffee listings from 50+ Northern Californian coffee roasters with 700+ coffees
- Populated MySQL relational databases for each roaster with custom web scraping scripts
- Built documentation website with docsify, deployed API with Google Cloud SQL and App Engine

Udacity Front End Web Developer Program

- Created a single page web application using JavaScript, Jest, Babel, Webpack, and SASS to display weather information and visuals of travel destinations
- Constructed a web tool with Node.js, Express, Service Workers, and Webpack to run NLP on news articles and blogs that returned information about bias, tone, and a subjectivity rating
- <u>Utilized</u>: HTML, CSS, Flexbox, Grid, DOM navigation, Node, Express, Asynchronous JavaScript, SASS, Webpack, Babel, Jest, HTTP requests, JSON

Coffee Matrix

• Designed a progressive single page web application that journals coffee information with an interactive flavor matrix using Node.js and Typescript

Skills

- Languages: (proficient): JavaScript, TypeScript, Python, HTML, CSS, XML, SQL (familiar): Java
- **Technologies/Libraries:** Git, Unix, React, Redux, Node.js, Webpack, Babel, Jest, jQuery, Flask, Backbone.js, Bootstrap, SASS, LESS, Relational databases, Spring Boot