DEV SONI

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RELEVANT PROJECTS

Foodpedia React Website

- Extensively used **React** UI components and **Bootstrap** for developing a food ordering website with **responsiveness** across web and mobile
- Improved the **human-computer interaction** by 30% on every update by following the best **UI/ UX practices**, including lazy registration
- Translated UX wireframes and mockups into final design using **Figma**
- Maintained an organized workflow using **GitHub**

Musical Instrument Visualizer

- Developed a real-time web music application to display visuals for instruments and music, using **TypeScript**
- Implemented **React** components and leveraged **p5.js** to create custom visuals and **tone.js** to add interactive instruments
- Created a **node.js** server to display music metadata on playtime from the **SQL** database
- Assisted in adding search functionality for music from the database and used **Redux** to maintain the state

Custom Food Recipe iOS App

- Created a recipe app leveraging **Spoonacular API** to view results based on ingredients
- Integrated the **API** to parse recipe data using **AJAX and JSON**
- **Pair programmed MVC** structure using **SwiftUI** framework to display 3 app screens
- Designed **Figma** prototypes and assessed UI/ UX design for technical feasibility

Twigle Stores Search @ SF Hacks 2020

- Created an offline shop search agent leveraging **Google Search** API for search results and **Twilio API** for sending results via text messages
- Collaborated with a team of 2 using Android Studio and used **JSON parsing** to return store's information to users
- Users can find nearby stores via text messaging and get filtered results in response

EXPERIENCES

Computer Science Academic Tutor   Jan 2019 - Present

- Tutored and consulted with students in their projects, assignments, and coursework demonstrating **Data Structures, Algorithms, and HCI**
- Organized various coding workshops to improve skills and overall performance of students by 70% in core courses (140hrs/ semester)

Web Developer Freelance   Jan 2017 - Dec 2020

- Created and hosted web registration pages using **React components and HCI methodologies**, which increased efficiency by 60% for local gyms and banks
- Deployed several landing pages for local shops and nonprofit organizations
- Added functionalities using **JavaScript** and **variable CSS** for color themes
- Integrated **jQuery and AJAX** calls in web applications to enhance functionality and user experience in games for kids

EDUCATION

San Francisco State University
Jan 2018 - May 2022 | 3.6 GPA

Bachelor of Science in Computer Science

Relevant Coursework :

- Data Structures and Algorithms
- Human-Computer Interaction
- Internet Appliation Design and Development
- Interactive Multimedia Application Development

SKILLS

Programming Languages :
JavaScript (ES6), HTML, CSS, TypeScript, Java, Swift

Libraries & Frameworks :
React, Redux, Node.js, Express.js, jQuery, Bootstrap

Database & Tools :
MySQL, MongoDB, Git, Firebase, Heroku, npm, API, CLI

Design :
Figma, Photoshop, Lightroom

AWARDS

SF Hacks Winner 2020 :
Won the First Prize for BEST API use case. (Twigle Offline Search)

Dean's Scholar List 2018 - 2022