

Isaac Yoon

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a: Los Angeles

[Portfolio](#)

[Linkedin](#)

[GitHub](#)

Skills

React.js, Redux, JavaScript, HTML5, CSS3, Ruby on Rails, jQuery, SQL, PostgreSQL, AWS, MongoDB, Node.js, Git

Projects

DisArray (React/Redux, Ruby on Rails, PostgreSQL, HTML5, CSS3, Heroku)

[live site](#) | [github](#)

Inspired by Discord, a popular messaging app

- Leveraged Rails' Action Cable and Redis to manage websocket connections for live chat functionality, allowing users to communicate in real time
- Implemented server and channel creation utilizing RESTful APIs to handle multiple CRUD operations, giving users the ability to customize their UI/UX and enhance the overall user experience
- Utilized Amazon Web Services for faster lookup on user uploaded background images
- Developed a single-page app using client-side routing with React Router, eliminating the need for page refreshes to create a seamless navigation experience

Harmony-Music (JavaScript, React/Redux, MongoDB, socket.IO, CSS3, Node, Express, Webpack)

[live site](#) | [github](#)

Interactive app that allows users to create music solo or with friends

- Designed and implemented a database schema with MongoDB as Backend Lead to manage user information as well as music information
- Incorporated Git workflow protocols and collaborated with a team of 3 software developers
- Connected socket.IO with React/Redux to enable users to interact with other users, allowing chat functionality, music visualization, and music creation in real time

Logos (JavaScript, HTML, CSS, Canvas, Heroku)

[live site](#) | [github](#)

Guess the missing word - bible verses

- Built a game using Object-Oriented programming where user guesses a missing word from a bible verse
- Manipulated canvas to display verse and hide a random word to cross reference with user guess
- Implemented a hint button that progressively displays the hidden word, character by character, in the input box to help user guess while keeping track of the count of hints used

Experience

Full Stack Engineer Apprentice | Tonight, September 2020-November 2020

- Design landing page for business portal using Javascript, HTML, and CSS
- Collaborate with backend engineers on database schema using MongoDB

Laboratory Technician | University of Southern California, August 2018 - November 2018

- Performed next-generation and Sanger sequencing, viral RNA extraction for a NIH-funded project

Teacher (STEM) | C2 Education, Los Angeles, July 2018 - November 2018

English as a Second Language Teacher | Brittain College, Peru, May 2018 - June 2018

Staff Research Associate | University of California, Los Angeles, October 2017 - May 2018

- Tested for therapeutic compounds for stem cell regeneration and analyzed data using Stata and GraphPad

General Chemistry TA | University of Southern California, June 2016 - August 2016, June 2018 - August 2018

Shadow & Intern | Los Angeles Cardiology Associates - Good Samaritan Hospital, August 2015 - January 2016

- Observed cardiology surgeries, maintained clinical database, and surveyed patients for research

Education

App Academy | Spring 2020 | San Francisco, CA

1000-hour immersive full-stack web development intensive with <3% acceptance rate

University of California, Berkeley | B.A. in Molecular and Cell Biology - Immunology | 2011-2015