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# SUNNY WONG

## PROJECTS

### DISSONANCE - LIVE | GITHUB

*A Single Page Discored-inspired app created using React, Redux, Flux, Ruby on Rails, jQuery and PostgreSQL*

- Coupled a React-Redux frontend to render a user interface based on data queried through Rails ActiveRecord to create a modern styled live messaging app
- Incorporated websockets through Rails Action Cable to actively feed updated information to the React-Redux frontend to support real time messaging features between multiple users or direct messaging between two users
- Implemented media query breakpoints to properly resize the app and keyframe animations to smoothly transition opening a modal to improve UI/UX when using features like creating or updating servers, text channels and friendships

### HAPPY SQUARE - LIVE | GITHUB

*A interactive board built using canvas with a simple physics engine to make people happier built using vanilla JavaScript*

- Implemented colorful randomized visual and audio patterns to render based on event listeners like 'click' and 'keydown' to create a positive and interactive experience
- Built a layer of physics to allow for gravity, and two-dimensional collision effects based on the object's momentum which was calculated base using conservation of momentum and energy
- Added options to toggle gravity features to allow for more unique patterns in collisions between objects and the cursor to further a unique user experience

### CREDIBLE - GITHUB

*An web app for lawyers to manage their continuing legal education (CLE) requirements using blockchain technology*

- Created a demo for accreditor institutions where, accreditors can create digital CLEs which are posted onto Integra Ledger's public blockchain with pgp encryption
- Users can retrieve CLEs which can be decrypted with a unique key
- Users can also upload physical or pdf copies of their previous CLEs onto the blockchain, credits of CLE requirements are also displayed for users to keep track of their progress

## SKILLS

CSS3, HTML5, JAVASCRIPT, RUBY, REACT, REDUX, POSTGRESQL, RSPEC, RAILS, RESPONSIVE WEB DESIGN, SASS

## EDUCATION

### 2018 APP ACADEMY

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

### 2017 FREE CODE CAMP

*400-Hour Front End Web Development Certification focusing on front-end development: HTML, CSS, jQuery, JavaScript Responsive Web Design*

### 2016 STONY BROOK UNIVERSITY

*B.E in Biomedical Engineering*

## EXPERIENCE

### GLOBAL LEGAL HACKATHON

2018

- Placed 2nd with Credible web app.
- Worked with lawyers and developers to create a CLE manager using Integra Ledger Permissioned blockchain technology

### RESEARCH ASSISTANT 2015-2016 STONY BROOK, NY

- Designed a high frequency pressure control system to mimic pulsatile flow in the vasculature using SolidWorks, Arduino interface, c++ and laser cutting.