

# SUNNY G. WONG

## LINKS

Github: /swong194

LinkedIn: /sunny-gy-wong

Personal: sunnygwong.com

## SKILLS

CSS3, HTML5, JavaScript,

Ruby, React, Redux,

PostgreSQL, Rspec, Rails,

Responsive Web Design,

Sass

## EDUCATION

### APP ACADEMY

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

### STONY BROOK UNIVERSITY

B.E in Biomedical Engineering class of 2016

## CONTACT

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Brooklyn, NY

## PROJECTS

### DISSONANCE - LIVE | GITHUB

A Single Page Discord-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 based 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

### MARKDOM - LIVE | GITHUB

A JavaScript library which simplifies client DOM manipulation and AJAX requests

- Users can select DOM elements using css selectors, tags, and functions with simple syntax, a simple todo-app was built to show MarkDOM's efficiency in creating a web app
- MarkDOM objects are easily manipulated using simple syntax like 'on/off' to add or remove event listeners, or 'children/parent' to traverse the DOM
- Simplifies XHR requests to '\$m.ajax' and returns promises to better scale the creation of web apps using MarkDOM