

MIKE GEE

Software Engineer | 510-858-6785 | michaelcgee93@gmail.com | mikegee.me | github.com/mikeg212

SKILLS

JavaScript, Git, Cypress, Test Driven Development, Behavior Driven Development, GraphQL, Agile

EXPERIENCE

JavaScript Engineer

Gliffy

Dec 2019 - Nov 2020

- Created front-end feature to allow users to duplicate nodes by "alt+clicking."
- Debugged and streamlined 200+ failing Selenium test steps.
- Built end-to-end automated testing framework with Cypress and Jenkins jobs.
- Wrote step-by-step documentation to train QA and other software engineers on how to use Cypress and Selenium frameworks.

PROJECTS

Spidergram | (Ruby on Rails, React/ Redux, Webpack, PostgreSQL, AWS)

<https://github.com/mikeg212/spidergram>

Photo sharing platform inspired by Instagram

- Designed a RESTful Rails API to serve a single page web app from a PostgreSQL database.
- Created an instant search feature utilizing React's re-rendering on state change to send AJAX requests and fetch results dynamically as the user types.
- Flattened state and applied ActiveRecord eager-loading on associations to eliminate N+1 queries and streamline backend API requests.
- Integrated ActiveStorage by compressing image files by 75% and stored them in an Amazon Web Services S3 bucket for greater scalability.

SleepyTetris | (HTML, CSS, Canvas, JavaScript)

<https://github.com/mikeg212/sleepytetris>

Dark mode tetris game

- Built a self-regenerating pool of available pieces and utilized the Fisher-Yates shuffling algorithm to create even piece distribution.
- Made recursive calls to requestAnimationFrame method to continuously drop pieces and update the game field.
- Created an event listener and built a loop to repeatedly and immediately drop a piece until collision when the user triggers a "hard drop".

EDUCATION

Full Stack Developer - App Academy

2018

Coursework: React.js, Object Oriented Programming, MVC framework, algorithms, testing, TDD

BS- International Economics - Georgetown University

2011-2015

Honors Thesis: The Statistics of Home Field Advantage in Baseball's Playoffs

INTERESTS

Eagle Scout, Taekwondo black belt, board games, stand up comedy, Michael Lewis (Moneyball)