

SKILLS: JavaScript, React, Redux, HTML5, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku

PROJECTS:

PinInit Ruby on Rails, PostgreSQL db, React Redux, CSS, HTML5

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

PinInit is a clone of the common social media platform Pinterest, where users create and share ideas organized in boards

- Setup and implemented a Ruby on Rails back end with a PostgreSQL db
- Utilized Amazon Web Services S3 (AWS) to store photos in the cloud uploaded by users
- Implemented a React Redux frontend with core CRUD functionality native to Pinterest
- Connected a React Redux frontend with a Ruby on Rails backend via dynamic AJAX calls
- Utilized practical associations within Ruby on Rails backend to dynamically inform frontend components

GrillLit Group Project Node.js, Express.js, Heroku, MongoDB

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

GrillLit is web application that allows users to create events and invite other users

GrillLit is a collaborative effort accomplished by myself and four other software engineers, my responsibilities included primarily the backend

- Setup and implemented a Mongo DB
- Setup backend for user authentication as well as event and like functionality including routes models and validations

Orbit Javascript Project Javascript, Vanilla JS, CSS, Github Pages, THREE.js

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

Orbit is a 3D interactive visual graphic application that can be used to create simple shapes

- Setup a 3D scene on a canvas element hosted with Github Pages
- Utilized THREE.js to create a 3D cube made up of smaller individual cubes
- Optimized render quality during user interaction with specific cubes by utilizing InstancedMesh
- Implemented keyboard controls allowing user to interact with cubes in a more efficient means

WORK EXPERIENCE:

[Abacus Services Corporation](#)

Microbiologist 1

January 2020 - July 2020

- Regularly monitor the microbial activity across 50+ drug grade sterile machine rooms
- Performed readings on component samples, identify and document any contaminants and initiate corrective measures when necessary
- Maintain a database of contaminant levels, in addition to corrective measures taken in all 50+ sterile rooms

[Judson University](#)

Chemistry Teaching Assistant

August 2018 - May 2019

- Assist the professor in the answering of student questions relating to course material.
- Prepare, demonstrate the use of laboratory equipment, give guidance in handling chemicals and laboratory equipment in a proper and safe manner.
- Led the lab portion of the 35 student course. (wasn't typical for TA to be leading, however, because of the new instructing professor's level of experience I took on that responsibility)
- Assist in reporting when chemical inventory is low as well as restocking storage when new chemicals arrive.

[Judson University](#)

August 2016 - May 2019

Chemistry Tutor

- Provided one-on-one help to students concerning any topic within the scope of chemistry I and II, by gauging the understanding of individual students and provide appropriate and relevant support
- Gauge Responsible for organizing and leading study groups anywhere from 2 to 10 students at a time.

EDUCATION:

[AppAcademy](#) - 1000-hour immersive full-stack web development intensive with <3% acceptance rate

2021

[Judson University](#) - BA Chemistry

2019