

SKILLS: React / Redux, JavaScript, Express.js / Node.js, Python, SQL, PostgreSQL, Sequelize, SQLAlchemy, Flask, HTML5, CSS3, Git

PROJECTS:

Weight Watch *ReactJS, Redux, SQLAlchemy, Flask, PostgreSQL*

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

A fitness app for tracking weight and creating custom workouts from pre-existing exercises

- Built React Functional Components, including custom navigation bars, forms, and a line graph that shows personal weight entries over time, utilizing the Recharts npm package, that dynamically populates with user form data.
- Created a user form with a dynamic number of fields utilizing Flask-WTForms, allowing users to add a dynamic number of exercises to their workouts.
- Integrated TailwindCSS to style the app while adhering to standard dark-mode UI conventions.

Petstagram *ReactJS, Redux, SQLAlchemy, Flask, PostgreSQL*

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

A pet-themed social media image-sharing app inspired by Instagram.

- Created individual post pages that display information from PostgreSQL database on front-end React functional components coordinated by Redux states.
- Spearheaded development of UI of the application using vanilla CSS.

DinoFlow *Express.js, PostgreSQL, Sequelize, Pug*

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

A dinosaur-themed question and answer app inspired by Stack Overflow.

- Developed answers feature that appends new answers to existing questions thread through AJAX and HTML/CSS element manipulation.
- Administered implementation of search feature that utilizes Express.js to parse request parameters and query PostgreSQL database for relevant data.

EXPERIENCE:

Analyst I

Microchem Laboratories

Oct 2019 – May 2020

- Performed EPA- and GLP-compliant (Good Laboratory Practice) efficacy testing of clients' antimicrobial products following Standard Operating Procedures.
- Prepared, completed, and reviewed over 80 reports and datasheets detailing the effectiveness of disinfectants as percent-reductions according to customer specifications.
- Prepared microbiological media and supplies for use in EPA- and GLP-compliant testing.
- Maintained ongoing communications with clients throughout efficacy testing to ensure customer satisfaction.
- Trained 4 new Associate Analysts under the Disinfectants and Sanitizers Team.

Environmental Quality Technician

ICU Medical

May 2020 – Aug 2020

- Performed GMP-compliant (Good Manufacturing Practice), routine sub-visible particulate and microbial contamination testing in product manufacturing line.
- Performed microbiological and biological testing according to SLPs, STMs and SOP, including non-viable particulate (liquid and air mediums), viable particulate (air medium), bioburden for pre-sterilized product and raw bulk drug utilizing membrane filtration and/or direct plate inoculation.
- Generated and maintained accurate manual (hardcopy) documents, such as batch records and other controlled worksheets, and electronic laboratory records of tasks completed
- Reviewed the results of other laboratory personnel according to cGMP, SLPs, STMs and SOPs.

EDUCATION:

University of Texas at Austin – *BS Biology, 2015–2019*

AppAcademy – 2020 – Immersive, full-time software engineering course focusing on full-stack web development.