

JOSEPH SANDOVAL

(530) 844-3137

josephasandoval17@gmail.com Alameda, CA

[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, PostgreSQL, Webpack, jQuery, Git, Heroku, JSON, RSpec, Test Driven Development, AWS, Tableau, Excel, Python

PROJECTS

VOLTA (JavaScript, React, Redux, Ruby, Rails, HTML, CSS, PostgreSQL)

[Live](#) | [Github](#)

A Tesla clone - Full stack web application (currently in progress)

- Leveraged Redux single-state management to streamline communication between backend and frontend architecture
- Incorporated stylistic features of Tesla using HTML/CSS, navbar layout, and button and text element styles
- Designed a RESTful Rails API to serve a single page web app from a PostgreSQL database
- Integrated ActiveStorage by compressing image files and storing them in S3 for greater scalability
- Wrote a python script to retrieve the product images need from Telsa

MIDNIGHT DEFENSE (JavaScript, HTML, Canvas, CSS, Webpack)

[Live](#) | [Github](#)

2D Tower defense game (currently in progress)

- Incorporated continuous animation playback loop using HTML Canvas and conditional logic
- Utilized an event-driven paradigm to allow users to continuously add characters while updating the game field

ONEROOF (JavaScript, React, Redux, MongoDB, Express.js, Node.js, HTML, CSS)

[Live](#) | [Github](#)

A MERN Stack project that aids housemate task organization (currently in progress)

- Built custom React routes to eliminate extraneous components and streamline user authentication
- Learned to collaboratively develop project criteria and aggregate teammate feedback towards a stronger product

EXPERIENCE

Strategic Accounts Specialist

Penumbra Inc: Innovative Medical Devices

Jan 2019 - Nov 2020

- Ensured the smooth processing of large group purchasing contracts with hospital systems by tracking and updating pricing data in an ERP system for each pricing agreement, special offer, Group Purchasing Organization (GPO) tier, and GPO designation.
- Maintained business relations with over 3000 accounts by analyzing the sales impact of GPO tier changes and special pricing requests.
- Generated new business by creating cost savings analysis, business reviews, and rebate reports from sales data and market research.

Biochemical Researcher

Professor Fenyong Liu's Lab

Feb 2015 - Dec 2017

- Investigated Kaposi's sarcoma-associated herpesvirus (KSHV) with a team of undergraduate and graduate students.
- Created histograms, scatter plots, and other graphical representations of the data we collected by using excel.
- Presented progress reports of our research, filed documents and maintained easily accessible notes for my colleagues.
- Worked under strict guidelines that ensured safety from exposure to many hazardous materials found in the lab.

EDUCATION

Web Development - App Academy

Mar 2021

Immersive software development course with a focus on full-stack web development, which entailed 1000+ hours of coding.

B.A. Biochemistry and a Minor in Education - University of California, Berkeley

Aug 2018

Awarded the Bill Gates Millennium Scholarship