

JOSEPH SANDOVAL

SOFTWARE ENGINEER IN ALAMEDA, CA | (530) 844-3137 | josephasandoval17@gmail.com

[PORTFOLIO](#) | [GITHUB](#) | [LINKEDIN](#)

LANGUAGES		DATABASES		FRAMEWORKS	TOOLS
• Python	• Ruby	• PostgreSQL	• MongoDB	• React/Redux	• JSON • TDD/Jest/RSpec
• JavaScript	• HTML5/CSS3	• MySQL	• AWS S3	• Rails	• MERN • Git/Github

EDUCATION

Full Stack Software Engineering - App Academy, San Francisco

Graduated - Mar 2021

- Immersive Full Stack Software Engineering Bootcamp, which entailed 1000+ hours of coding

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

Graduated - Aug 2018

- Awarded the Bill Gates Millennium Scholarship, which is a full-ride undergraduate scholarship

PROJECTS

VOLTA - JavaScript, React, Redux, Ruby, Rails, HTML, CSS, PostgreSQL

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

Full Stack Web Application Clone of Tesla

- Streamlined communication between backend and frontend architecture by leveraging **Redux single-state management**
- Incorporated stylistic features of Tesla by using **HTML/CSS, FlexBox, and Material UI**
- Served a single page web app from a PostgreSQL database by integrating **Ruby on Rails RESTful API**
- Integrated Ruby on Rails ActiveStorage by compressing image files and **storing them in S3 for greater scalability**
- Retrieved the product images needed from Tesla by **writing a python script**

MIDNIGHT DEFENSE - JavaScript, HTML, Canvas, CSS, Webpack

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

Pure Vanilla JavaScript 2D Tower Defense Game

- Incorporated continuous animation playback loop by using **HTML Canvas and conditional logic**
- Created an interactive game with mouseover and click events by using **JavaScript HTML DOM EventListeners**
- Allowed users to continuously add characters while updating the game field by utilizing an **event-driven paradigm**

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

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

MERN Stack Web Application Solution for Household Task Organization

- Eliminated extraneous components and streamlined user authentication by building custom **React routes and using the React-Router-Dom**
- Stored our records without worrying about the data structure such as the number of fields or types of fields to store values by **taking advantage of a NoSQL data store called MongoDB**
- Aggregated team feedback towards a stronger product by learning how to **collaboratively develop project criteria**

WORK EXPERIENCE

Strategic Accounts Specialist - Penumbra Inc - Innovative Medical Devices

Jan 2019 - Nov 2020

- Ensured the smooth processing of 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 3000+ accounts by **analyzing the sales impact of GPO tier changes and pricing requests**
- Generated around a 25% increase in new business by **creating cost savings analysis, business reviews, and rebate reports from sales data and market research**

Biochemical Researcher - UC Berkeley - Professor Fenyong Liu's Lab

Feb 2015 - Dec 2017

- Investigated Kaposi's sarcoma-associated herpesvirus (KSHV) with a team of undergraduate and graduate students by **creating histograms, scatter plots, and other graphical representations of the data that was collected using excel**
- Fostered a more positive and productive work-team environment by **presenting progress reports of our research, creating documentation, and maintaining easily accessible notes** for my colleagues