

# Tony Tan SOFTWARE DEVELOPER

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[PORTFOLIO](#)

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## SKILLS

**Languages:** Javascript, Python, SQL, HTML, CSS

**Frameworks/Tools:** React, Redux, Express, Flask, Sequelize, SQLAlchemy, PostgreSQL, Docker

**Key Skills:** Pair Programming, Test-Driven Development (TDD), Object-Oriented Programming (OOP), Scrum Methodologies

## PROJECTS

**answered** (Python, Flask, SQLAlchemy, ReactJS, Redux, Docker)

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

*answered is a full stack web application where users can post questions and answer questions that are posted.*

- Created API using Python, Flask and SQLAlchemy to create routes that query the postgres database and return the queried data as a python dictionary.
- Utilized Flask and Alembic to create the tables/models necessary to create and populate the postgresQL database.
- Used useState in my user profile component to control a slice of state that toggles a Boolean to display the user's posted answers or questions on the webpage..

**Buy-KTSY** (Python, Flask, SQLAlchemy, ReactJS, Redux, Docker)

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

*Buy-KTSY is an e-commerce application where users are able to simulate buying and selling products.*

- Created a dynamic quantity select field that sets and displays the item's quantity when changed for each product that is in the shopping cart by using a function that sets the options of the select tag in react to the integer selected by the user.
- Validated form data sent to backend routes using flask\_wtf and wtforms from the json objects fetched from the frontend.
- Implemented main image display that shows the desired image clicked on by the user by using useState that changes the state of each image by using the onClick event listener for each image.

**AirTnt** (Node JS, Express, Sequelize, ReactJS, Redux)

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

*AirTnt is an application where users can view and book short term living spaces for vacation.*

- Used Node Js, Express and Sequelize to create the backend API that queries and populates a postgresQL database that returns data as json to the dispatched thunk in the frontend's corresponding state reducer.
- Designed a star rating input field from scratch for a review form in react where users click on stars to select their ratings that dispatches the rating as an integer to the database.
- Implemented all forms in AirTnt to be displayed in the website as a modal by using context provider to allow the modal to be imported in the whole app.

## EXPERIENCE

### Medical Biller

*Chinese Community Health Care Association*

Dec 2018 - June 2021

- Over saw the proper full cycle billing of insurance claims for 3 doctors' practices that totaled over \$1 million in revenue.
- Managed and created the balances and invoices due for all clients of the CCHCA medical billing department.

### Field Election Deputy

*San Francisco Department of Elections*

Oct 2018 - Nov 2018

- Managed 8 polling places on election day and helped polling place managers' solve problems that arose at each polling place as needed.
- Ensured all polling places followed proper polling place guidelines and there was no tampering with votes.

## EDUCATION

**Web Development** - App Academy | Winter 2022

**BA Economics** - San Jose State University | 2013-2018