

# Eric G. Tso

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## Skills

**Frontend:** React, React Native, Redux, JavaScript, jQuery, CSS3, HTML5, Material UI, Bootstrap

**Backend:** Node.js, Express.js, Ruby, Ruby on Rails, PostgreSQL, MySQL, MongoDB

**Others:** WebRTC, TDD, OOP, Dynamic Programming, Webpack, Babel, NPM, AWS (S3, EC2, IAM)

## Projects

### ShareBnB | (Ruby on Rails, React Native, Redux, Node.js, Postgres)

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

*A fully-spec'd full-stack app for finding and booking homes inspired by AirBnB.*

- Constructed a unique platform featuring user identification with SMS (via mobile #), real-time private messaging, setting instant request bookings, hosting a calendar for setting availability and price.
- App also included a calendar for showing reservations, payments with credit card, payout to hosts with stripe connect, revenue charts for hosts, and email and text notifications.
- Utilized Active Storage to store image uploads in the cloud using AWS S3, reducing server load and allowing app to scale.

### TSOCode | (Node.js, Express.js, MongoDB)

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

*An online code editor for collaboration, teaching and interviews.*

- Utilized third party libraries to build a collaborative platform with real-time code editor so that users can share what they are coding/typing on the screen with other people at the same time, just like Google Docs.
- Incorporated Web Real-Time Communication (WebRTC) and Socket API's allowing peer to peer communication through chat and video call.
- Secured application routes and generated user authentication by utilizing Facebook Authentication API and incorporating Crypto hashing functions and custom React-Router components.

### BayConnect | (MongoDB, Express.js, React/Redux, Node.js)

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

*A social media platform for Developers in the Bay Area to connect.*

- Built reusable React components in combination with Redux.
- Configured Passport middleware with JSON web token (JWT) strategy to give sensitive data two level protection and maintain great user experience; current user login status was maintained even after application reload.
- Integrated GitHub OAuth API to Users profiles to retrieve and display their latest git repositories.

## Experience

### Loopkicks Tricking

*Full-stack Developer*

Aug 2018 - Present

- Worked with several technologies to determine the most cost-effective way to build mobile app.
- Managed all phases of development, including performance optimization, mapping, designing, configuring, implementing, and testing.
- Designed, secured, and Integrated Ruby on Rails restful API with cross platform React Native frontend.

### Swope Design Solution/ Rapid Lab

*Intern*

Apr 2018 – Aug 2018

- Prototyped and assembled robotics for 6D Bytes's Robotic Robot-Made smoothie project Blendid.
- Overlooked the distribution of Rapid Lab's products and the revamped their website.
- Coordinated with Filament to prototype their newest product the Blocklet USB Enclave.

## Education

### Western Governors University, Spring 2021

B.S. in Computer Science

### App Academy, 2018

Full-stack software development course with a focus on web development and agile methods.

### San Francisco State University, 2017

Studied Computer Engineering.