# Andy Tran

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## SKILLS

**Programming Languages:** Javascript, Python, Ruby, SQL, R
**Platforms and Frameworks:** Ruby on Rails, React.js, Redux.js, Node.js, D3.Js, MongoDB,PostgreSQL, JQuery, AJAX, Express.js, Webpack, AJAX, REST APIs, Express.js, HTML5, CSS3, Rspec, Google Maps API, AWS S3, React Hooks
**Other Proficiencies:** Git workflow, Statistical Analysis

## PROJECTS

**Stockhome** Live | Github
*Online marketplace that allows users to browse, purchase, and bid properties built using Ruby On Rails, React.js, Redux.js*

- Implemented search function using ActiveRecords to query by parameters and SQL indexing allowing for optimized loading search times for the user.
- Integrated Google Maps API displaying properties based on search criteria, allowing users to click on the markers and navigate to property show pages.
- Created responsive step progress bar using React hooks and CSS3 transitions for easier navigation during property bid checkout.
- Leveraged useState, useEffect, and useRef from React Hooks library to store data on local React state and devised life cycle methods similar to componentDidMount, componentDidUpdate.

**StudyPal** Live | Github
*A cafe discovery web application built using MongoDB, Express.js, React.js, and Redux.js*

- Constructed algorithm system in the backend to filter data from NoSQL database that recommends a random study location based on the users geolocation, and inputted preferences.
- Formulated a dynamic favorites component in React that renders users favorite status, updates user's favorite status, logs favorite counter to backend, and sets transition effect on click.
- Reverse engineered web technologies like GraphQL and Axios to scrape hundreds of cafe data points from Yelp API.
- Utilized Geolocation to enrich data points by calculating distance from user to populate search parameters.
- Built cafe recommendation system allowing users to never receive the same business twice utilizing global redux store and filter logic.

## EDUCATION

**AppAcademy** - Rigorous full-stack web development course with <3% acceptance rate April 2020
**University of California, Santa Barbara** - B.S. Statistical Science June 2019

- Related Courses: Machine Learning, C++, Python, Linear Algebra, Discrete Mathematics
- SAT: 800 Math

## EXPERIENCE

**AC Auto Clinic Inc.**
*Clerk* Summer 2017 & 2018

- Invoiced 10-20 customer work orders daily, purchased supplies and equipment, coordinated delivery dates, and paid supplied invoices in a timely manner.
- Maintained data entry requirements by following data programs, techniques, and procedures.
- Communicated effectively with customers on future problems and repairs that might need to be addressed.