

# ALVIN TANG

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**INNOVATIVE FRONT-END ENGINEER** specializing in component-oriented development (React) offering experience in full agile software development from concept, ticket creation/refinement, story pointing, feature development, testing, deployment and delivery.

**SKILLS** JavaScript ES6, React (Classes, FCs, Hooks, Context API), Redux, Node.js, GraphQL / Apollo, HTML/CSS, TypeScript, Unit Testing (Mocha, Jest, Enzyme, React Testing Library), App Monitoring (New Relic, Splunk), A/B Testing (feature flagging), Internationalization (i18next), Google Analytics, Git (Github/Bitbucket), Browser Dev Tools, Google Maps API, CI/CD (Bamboo), Agile Workflow (Jira kanban, scrum, stand ups, etc.), REST, Webpack, Fetch/AJAX/Axios, Express, PostgreSQL, Sequelize

## EXPERIENCE

**PRICELINE | SOFTWARE ENGINEER (mid-level) | Oct 2019 - Current**

- Developing front-end features for the rental car web UX team using React, Redux, and GraphQL
- Rolled out 20+ features improving business by generating hundreds of net incremental bookings per day
- Implementing CI/CD with constant iteration of features deploying 2-3 new features on a weekly basis
- A/B testing features using an internal feature flagging and analytics system

**FULLSTACK ACADEMY OF CODE | SOFTWARE ENGINEERING TEACHING FELLOW | Apr 2019 - Jul 2019**

- Mentored 50+ students in the full stack JavaScript (React, Redux, Node, Express, Sequelize and PostgreSQL)
- Served as project manager for multiple projects including 2 e-commerce applications and 1 blockchain chat application
- Conducted algorithmic technical interviews for prospective candidates

## NOTABLE FEATURES

**2020 Q2 PRICELINE 2 DAY HACKATHON - BEST OVERALL PROJECT | <https://youtu.be/lsh32PtFxA>**

- Leveraged Google Maps Directions API, our internal typeahead, and design system to build a feature on top of the existing map view to create an innovative road trip planning experience for customers
- Used Redux for state management to store an array of objects containing location information including latitude and longitude that allowed the Google Maps API to place markers and map out an efficient route for users to visualize their upcoming road trip
- Generated interest amongst CEO, CTO and CPO to implement a robust version as a collaborative effort across multiple teams

**DRIVER'S LICENSE COUNTRY OF ORIGIN SELECTION**

- Provided solution to a customer service problem where several international customers complained about reservations being unavailable at the counter due to restrictions based on their driver's license country of origin.
- Developed a selection menu on the contract page that allows customers to select their driver's license country of origin that sends a request for an updated rate or redirects users to the listings page with updated rates based on their selection.
- Leveraged the use of cookies and session so that the customer's selection persists throughout their shopping experience.

**PROMO BANNER CAROUSEL**

- Developed an auto-rotating carousel to display multiple promos to solve for pushing listings down with stacked promos
- Leveraged React Hooks and Context API to create a custom useCarousel hook that asynchronously updates the carousel context continuously reassigning slides from "active" to "desired" using a while loop and simple algorithm to determine the index of the next slide

**MOBILE LISTINGS REDESIGN**

- Leveraged our internal Priceline Design System, styled-components library, CSS, flexbox and media queries to provide a completely new listings card design for mobile provided by the product and design teams
- Collaborated with design team using an iterative approach for feedback and instruction to implement a complete design overhaul

**OTHER TECHNICAL CONTRIBUTIONS**

- Contributed to initiative to refactor class components to functional components including writing documentation
- Contributed to TypeScript migration initiative
- Early adoption of React Context API in place of Redux
- Provided support on troubleshooting and debugging major bugs when maintenance and support teams were shorthanded

## OTHER EXPERIENCE

**NYU RUSK REHAB, MOTOR RECOVERY RESEARCH LAB | Clinical Research Scientist | May 2013 - Jul 2018**

- Implemented design thinking to consult and develop several iterations of therapy video games and input devices
- Authored 6+ academic publications (research papers, abstracts and a book chapter) based on data-driven outcomes

**LA VIE EN TOAST | Chef, Content Creator | Mar 2016 - Nov 2018**

- Researched, developed and tested original recipes | [www.lavieentoast.com](http://www.lavieentoast.com)
- Filmed, edited and produced cooking videos with a current combined total of 3000+ views

## EDUCATION

**FULLSTACK ACADEMY OF CODE | SOFTWARE ENGINEERING IMMERSIVE PROGRAM | Apr 2019**

**UNIVERSITY OF FLORIDA | BACHELOR'S OF SCIENCE - APPLIED PHYSIOLOGY AND KINESIOLOGY | May 2013**