Nicholas Ko

Software Engineer
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Technical Skills

Strong: Javascript, Angular, React, Redux, Node, Express, jQuery, MongoDB, Gulp, Git, Bootstrap, HTML5, CSS3
Experienced: ES2015, SASS, MySQL, Ruby on Rails, Webpack, Testing(Mocha & Chai), D3, API, Backbone

Projects

SocializeNow!, Software Engineer | https://socializenow.herokuapp.com/
Activity suggestion app that removes the pressure of choosing a group activity, with voting features and machine learning
- Integrated authentication using Auth0 and React HOCs, creating protected client routes and secure API endpoints.
- Built front end architecture using React/Redux, establishing foundation for app functionality and data flow.
- Constructed multiple features and pathways, allowing users to sign up, join, create, and vote on events.
- Engineered group voting feature through sockets and AJAX, resulting in live updates across multiple browsers.

Grub Genie, Software Engineer | https://github.com/TakeMeAnywhere/Grub-Genie
Recipe suggestion app that returns recipes based on desired and excluded ingredients
- Handled user authentication with JWT and MongoDB, allowing users to sign in and save favorite recipes.
- Refactored an inherited codebase to use Redux, reducing state mutations and offering a more consistent UX.

TakeMeAnywhere, Product Owner - Software Engineer | http://take-me-anywhere.herokuapp.com/
Travel app that suggests and links flights of vacation locations based on their mood
- Automated deployment using Webpack, reducing repetition and and immediate updates to production app.
- Assembled routing utilizing REST, creating a scalable and flexible platform for integrating future modifications.
- Constructed client components using ES2015, establishing an extensible, reusable codebase.

StockTrack, Software Engineer | http://stocks-track.herokuapp.com
Stock tracking app that allows you to search real stocks, add to a portfolio, and view a graphical allocation of stocks.
- Implemented form validation and minimized server requests by leveraging Angular's two-way data-binding.
- Modeled client views using UI-router and styled with Bootstrap, allowing for nested views and improved UI/UX.
- Created a Node server, utilizing MongoDB, to serve and store persistent stock data.

Experience

SLR Lounge, Software Engineer Intern   *2015*
- Prototyped new template pages using Grunt and SASS, adding two extra views and restyling two others.
- Enabled multiple user permissions in Wordpress database, exposing select content only to subscribed users.
- Introduced CRUD functionality into inherited codebase, allowing Content team to add, edit, and remove posts.

New Star Realty & Inv., Agent   *2012 - 2016*
- Streamlined Comparable Market Analysis report generation through SoCal Tempo MLS site, reducing time spent filling out filters for each property in inventory.

The Cheesecake Factory, Bartender   *2012 - 2015*
- Trained over 15 team members, resulting in four Star-Staff awards and role of lead-trainer.
- Regularly participated in Thanksgiving Giveback programs for low-income families and similar charity events.

CHOMP Teppanyaki, Bar Manager   *2010 - 2012*
- Integrated new inventory tracking system using Excel, reducing over/under-ordering conflicts.
- Applied new happy hour and comp-tab system, resulting in a 20% profit gain during slow season.

Education

Hack Reactor, Advanced Software Engineering Program   San Francisco, CA 2016
University of California, Riverside, B.A Business Economics   Riverside, CA 2012