

Alan Choi

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[Github](#)

[LinkedIn](#)

Projects

YelpNow

[Live](#) • [GitHub](#)

Provides a clean, quick interface to search only for open businesses, read and post reviews. Built with React.js using Flux architecture and Ruby on Rails.

- Combined Google Maps Places and Geocoding API's to quickly fetch data based on user input.
- Original UI design to position map upon selected business, while displaying business details.
- Integrated Google Places Details data with backend controller logic to combine user posted reviews.
- Requires log-in using BCrypt encryption to post and update reviews.

Buckets

[Live](#) • [GitHub](#)

Javascript based game using object oriented programming (OOP) and Canvas.

- Utilizes prototype inheritance to prevent DRY code
- Includes third-party Javascript library that enables keystrokes to control objects.

Chess

[GitHub](#)

Pair-programmed to build an in terminal game version of Chess that uses object oriented design.

- Custom built logic to calculate all possible valid moves of each piece.
- Used Ruby modules to

Skills

Javascript, React.js, Node.js, jQuery, Ruby, Ruby on Rails, HTML, git, SQL, CSS, RSpec

Experience

Apple, Inc.

2014 - 2015

Design for Manufacturing Engineer

Cupertino, CA

- Led Contract Manufacturer (CM) engineering teams in China and resolved manufacturing issues on-site.
- Brought up factory assembly lines and qualified new manufacturing processes and equipment.
- Advised iPhone and Watch cross-functional teams during design phase to optimize manufacturability.
- Collaborated with Product Designers to resolve design issues and product assembly challenges.

Qualcomm

2007 - 2014

Senior IC Packaging Engineer

San Diego, CA

- Led material characterization program to evaluate reliability across environmental test conditions.
- Analyzed qualification data, initiated appropriate Failure Analysis, and provided design recommendations.
- Executed reliability and assembly experiments to establish robust manufacturing process and product quality.
- Supervised technicians and mentored interns by overseeing lab operations and troubleshooting issues.

Education

App Academy

Aug 2015 - Nov 2015

Full Stack Web Development Course, acceptance rate < 5%

University of California San Diego

2005 - 2009

Bachelor of Science in Mechanical Engineering