

ALAN CHOI

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PROJECTS

YelpNow (*React.js, Flux, Ruby on Rails*)

[Live](#) • [GitHub](#)

A single page web application inspired by Yelp.

- Combined Google Maps Places and Geocoding APIs to fetch data based on user input.
- Followed Flux unidirectional data flow to decrease Google Places API calls.
- Designed frontend component logic to reposition map on a selected business.
- Integrated Google Places Details data with backend controller logic to combine user posted reviews.
- RESTful API design enables users to post and update reviews.

Buckets (*Javascript, HTML Canvas*)

[Live](#) • [GitHub](#)

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

- Utilized prototype inheritance to ensure DRY code.
- Created functions to determine collisions based on radii and distance between objects.

Chess (*Ruby*)

[GitHub](#)

A console based, colorized, two player chess game.

- Custom built functions calculate all possible valid moves of each piece.
- Used Ruby modules to generalize the movement logic of similar objects.

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, California

- Led Contract Manufacturer engineering teams in China and resolved manufacturing issues onsite.
- Created standard process parameters that were used to bring up assembly lines for mass production.
- Doubled the throughput of a process by qualifying 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, California

- Led material characterization program that enabled new products to meet customer specifications.
- Analyzed data, initiated appropriate Failure Analysis, and presented design recommendations to internal engineers during new product development.
- Supervised technicians and mentored interns by overseeing lab operations and troubleshooting issues.

EDUCATION

App Academy

August 2015 – November 2015

Full Stack Web Development Course (Acceptance Rate < 5%)

University of California, San Diego

2005 – 2009

Bachelor of Science in Mechanical Engineering