

# Alan Choi

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## Projects

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

[Live](#) • [GitHub](#)

A single-page web app 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 front-end 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 calculates 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, CA

- 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, CA

- 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

**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