



## CONTACT

- ✉ jonathonlin93@yahoo.com
- ☎ (408) 688-7231
- 🌐 www.jonathonlin.com
- 🏠 3963 Via Cristobal,  
Campbell, CA 95008

## EDUCATION

### BACHELOR OF SCIENCE: MECHANICAL ENGINEERING

2015  
Carnegie Mellon University  
Pittsburgh, PA

## LANGUAGES

English  
Mandarin

## LINKS

- 🔗 jonathol
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# JONATHON LIN

## Software Engineer

## SKILLS

- Ruby on Rails, Javascript, HTML, CSS, AngularJS, Node, PostgreSQL

## PROJECTS

### FOODSY.XYZ (RAILS, REACT, JAVASCRIPT, FLUX)

[LIVE](#) | [GITHUB](#)

Designed a single page web application for users to buy and sell homemade meals

- Developed a calculator using active record to simultaneously find and calculates average ratings for items
- Implemented CSS3 Flexbox Layout module to create an app that is both fluid and responsive
- Integrated React Modal and React Autosuggest libraries to create elegant modals and intelligent search suggestions.

### BAFFLE (JAVASCRIPT, HTML, CSS)

[LIVE](#) | [GITHUB](#)

Javascript game inspired by Hasbro's Boggle

- Created a modal and 3D looking buttons with CSS for a more visually appealing game
- Utilized setInterval to create a clock that not only counts down but also pauses
- Used Javascript's hashmap like object to increase the speed of word lookup time

### KOCH SNOWFLAKE (JAVASCRIPT, HTML5 CANVAS)

[LIVE](#) | [GITHUB](#)

A site that allows users to view and interact with a koch snowflake

- Utilized setTimeout and Math.random to show the snowflake being drawn with different colors
- Edited innerHTML of DOM Elements with native Javascript to update properties including area perimeter
- Developed a way to speed up the drawing process with Javascript's hashmap like object by ignoring lines that have already been drawn

## EXPERIENCE

### ENGINEERING INTERN

Industrial Technology Research Institute | 2014

- Headed the design of a harvesting device for a robotic strawberry collector
- Utilized CAD to produce models and engineering drawings
- Translated manufacturing procedures from Chinese to English for efficiency and standardization