

# Tom Stilwell

Software Developer



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/Tom-Stilwell

## SKILLS

Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Redux, SQL, Git, HTML5, CSS3  
Microsoft Office Suite

## EDUCATION

### App Academy (Spring 2018)

- Immersive 1000 hour software development course with focus on full stack web development.  
- <3% Acceptance Rate  
- Focus On: TDD, scalability, Algorithms, OOP, coding style, REST, security, single-page apps, pair programming

### Yale University (Spring 2016)

BA - Chemistry  
BA - Theater Studies  
GPA : 3.6.

## FUN FACTS

Certified American Heart Association CPR and Basic Life Support Instructor. Have personally certified over 500 NYC public school teachers.

Won a comedic sketch-writing competition in 2016 and collaborated with Chevy Chase and Gilbert Gottfried.

Musical Directed an internationally touring a cappella group (China, Colombia, Bermuda, Montreal).

Great baker and karaoke-singer.

## PROJECTS

### ScareBnb

[Live Site](#) | [Github](#)

*A single page app that uses a Rails backend with a React, Redux, and JavaScript frontend to allow users to search for short-term home rentals*

- Employs Google Maps API for geolocation, search filtering based on user-set bounds, predictive search text, and clickable markers
- Animates images and text via CSS keyframes
- Uses chained Rails ActiveRecord queries to filter searches based on user parameters in minimal database hits

### Seasonal

[Live Site](#) | [Github](#)

*A conceptual game animating the changing of the seasons solely with JavaScript and HTML5*

- Animates backgrounds along with a user-controlled stick figure on a single canvas
- Retrieves image data from the canvas and uses individual pixel data to invert and show opaque figures.
- Fully animated motions of walking and jumping, using spritesheets

### kingDOM

[Live Site](#) | [Github](#)

*JavaScript library that allows interaction with and manipulation of the DOM.*

*Allows users to:*

- search for HTML elements via CSS selectors
- manipulate and toggle classes of elements
- manipulate HTML content
- make Asynchronous Javascript + XML requests and display the results

## EXPERIENCE

### STEM Tutor | 2016 - 2017

*Private Prep*

- Achieved an average of 60% capturable points being gained by SAT/ACT students
- Promoted to head of Chemistry Diagnostics within two months of employment
- Prepared for and successfully tutored students in subjects including Organic Chemistry, Physics, Algebra, Geometry, Trigonometry, Calculus, English, U.S. History, and Russian Language

### Head of Marketing and User Acquisition | 2014 - 2015

*Hotspot: Deals with Friends*

- Oversaw the successful launching of a new iPhone app on Yale campus leading to over 10% campus engagement in two months
- Devised development model for app launch on campuses across the country