

# bradsanders

software developer

## contact

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## skills

ruby  
ruby on rails  
javascript  
backbone.js  
jQuery  
postgreSQL  
CSS  
HTML  
git

## portfolio

[website](#)  
[github](#)

## projects

### **grounded** - ruby on rails, backbone.js

[live](#) | [github](#)

*crowd shared real estate platform for San Francisco*

- built customized user authentication system with Bcrypt to store only hashed passwords for user security
- wrote custom methods to parse nested property data from the API, minimizing required API calls
- implemented server-side API requests to Zillow's API to populate property valuation data and details about any property added to the marketplace

### **chess** - ruby

[github](#)

*command line version of classic strategy game with AI*

- used class inheritance structure to keep code DRY
- programmed competitive AI that moves opponent into check/mate, itself out of check, and captures pieces based on value
- created recursive deep board duplication method to check validity of move without modifying game state

### **gloworm** - javascript, jQuery

[live](#) | [github](#)

*browser friendly version of classic mobile game snake with a twist*

- utilized directional vectors to move worm throughout gameplay
- dynamically bound keys for user interaction in the browser
- persisted high score using cookies, eliminating the need for any server-side persistence

## education

### sep 2015      **software development**

*App Academy*

- full-stack immersive software development program
- < 5% acceptance rate

### 2005 - 2009      **BA chemistry**

*UNC - Chapel Hill*

- selected coursework: calculus, physics, analytical chemistry

## experience

### oct 2015      **teacher**

*RailsBridge*

- instructed students on HTML, CSS, JavaScript, and jQuery
- assisted first time programmers in building their first websites

### 2014 - 2015      **server**

*Bida Manda*

- taught myself Ruby, Javascript and CSS while working nights
- managed busiest section for one of the highest rates restaurants in Raleigh, NC
- trained and supervised new staff members while maintaining top performance reviews