

# Kata Martin

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## PROJECTS

**Chef Genius** (*Rails, Backbone*) | [live](#) | [github](#)

*Recipe annotation website inspired by Rap Genius*

- Single page Backbone app built with RESTful JSON Rails API
- Create annotations by highlighting text
- Utilizes polymorphic associations to maintain clean database and DRY code
- Eagerly loads nested associations to create content-rich pages

**2048 Clone** (*JavaScript*) | [live](#) | [github](#)

*JavaScript game replicating Gabriele Cirulli's viral hit*

- Custom iterators and vector addition power tile movement
- CSS and jQuery selectors animate game

**ActiveRecord Lite** (*Ruby*) | [github](#)

*A pared-down clone of the Rails model layer*

- Provides a base class for ORM models
- Performs queries, updates, and inserts into tables in database
- Obeys "convention over configuration" paradigm

## SKILLS

Ruby | Ruby on Rails | Javascript | jQuery | Backbone | HTML | CSS | SQL | Git | Python

## EDUCATION

**App Academy** - San Francisco, CA (*June - September 2015*)

- Immersive full-stack web development course, acceptance rate <5%

**Reed College** - Portland, OR (*2011- 2015*)

- Bachelor of Arts in Chemistry
- GPA 3.47
- Coursework Highlights: Multivariable Calculus, Linear Algebra, Introduction to Computing, Algorithms and Data Structures, Computer Graphics

## EXPERIENCE

**Tutor for Analysis and Quantum Mechanics Courses**

*Reed College Academic Support Services (2014 - 2015)*

- Met with 1-3 students weekly to improve understanding of course material
- Modeled strategies of academic success in courses in math and chemistry

**Research Assistant**

*Reed College Chemistry Department (May - August 2014)*

- Introduced computational software to department, developed protocol for use
- Successfully computed reaction pathways to confirm prior research