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
- Object-oriented Programming structure organizes code

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
- Uses metaprogramming to obey "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