

# Frankie Simms

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## PROJECTS

**Linguana (Rails, React, Flux)** | [live](#) | [github](#)

*A gamified, Duolingo-inspired web app for language learning*

- Saves user's progress through completion models with polymorphic associations
- Implements OmniAuth for simple signin through Google and Facebook
- Sets data in cookies to track current course and language even when signed out

**Timestack (JavaScript, Angular)** | [github](#) | [download](#)

*A Chrome extension for setting and managing multiple timers*

- Runs timer intervals in a background page by using Chrome's runtime API
- Shows timer progress through an animated HTML canvas icon
- Custom Angular directives prevent user from inputting invalid values

**Cosmic Rush (JavaScript, HTML5)** | [live](#) | [github](#)

*A colorful, Space Invaders-style shoot-em-up game for the browser*

- Registers object collisions by employing two different collision-detection algorithms
- Enemies move in interesting patterns by means of vector math and linear equations

**RecLite (Ruby, SQL)** | [github](#)

*An Object Relational Mapping library with the core functionality of ActiveRecord*

- Metaprograms functions for conveniently finding models based on their attributes
- Tiered inheritance and multiple modules keep the code DRY and extensible
- Lazily evaluates 'where' clauses to reduce queries by only firing them when needed

## SKILLS

|                   |               |              |                 |              |
|-------------------|---------------|--------------|-----------------|--------------|
| <b>Ruby</b>       | <b>Rails</b>  | <b>SQL</b>   | <b>HTML/CSS</b> | <b>RSpec</b> |
| <b>JavaScript</b> | <b>jQuery</b> | <b>React</b> | <b>Flux</b>     | <b>Git</b>   |

## EDUCATION

**App Academy** 2015-2016

- 1000-hour full-stack web development course, accepts < 3% of applicants
- Topics include TDD, algorithms, OOP, coding style, and single-page apps

**Williams College – Bachelor of Arts in English, GPA 3.4** 2010-2014

**SIT World Learning – Semester abroad in Cusco, Peru** 2013

- Composed a 30-page final ethnomusicology paper entirely in Spanish

## EXPERIENCE

**Copywriter – Virtucom Group** 2014-2015

- Produced up to 100 pieces of SEO-focused product copy every day

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