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# Ty Brooks

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## RECENT PROJECTS

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### **Chef Genius-** Deployed: [www.chef-genius.com](http://www.chef-genius.com) | Source: <https://github.com/TyrusB/ChefGenius>

Users submit recipes for other users to annotate using highlighting UI similar to Rap Genius.

Backbone App consuming RESTful API.

- Concerns and polymorphic associations allows annotations of multiple model types
- Native JS and DOM traversal calculates start and end position of-highlighted selection, even when the containing element contains multiple text nodes
- Global event aggregator coordinates actions between subviews and parent views

### **Cosmic Drift-** Deployed: <http://tyrusb.github.io/Cosmic-Drift> | Source: <https://github.com/TyrusB/Cosmic-Drift>

Spaceships! Asteroids! Classic Asteroids-like arcade action rendered in an HTML5 canvas

- 'Drifts' in classic asteroids movement style. Uses trig to calculate rotation/movement direction
- Prototypal inheritance pattern using surrogate function
- Advanced keybinding with cooldowns for some actions and continuous registering of others

### **ActiveWreckerd-** Source: <https://github.com/TyrusB/ActiveWreckerd>

Clone of ActiveRecord's ORM features: mass assignment, querying, persistence, and associational methods.

- Heavy use of Ruby metaprogramming
- Templated SQL queries, with escaping to prevent injection attacks

## LANGUAGES AND SKILLS

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Ruby, Rails, Python, JavaScript, jQuery, Backbone.js, Java (learning), SQL, PostgreSQL, RSpec, HTML, CSS, Git, TDD

## WORK EXPERIENCE

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### **Catalyst Prep**      **Regional Director (San Francisco Bay Area, CA)**      *August 2011 – July 2013*

- Doubled size/revenue of region: coordinated 115 prep classes with \$500,000 of revenue generated
- Part of leadership team in an education startup environment during period of exponential company growth
- Analyzed data from education databases to better target potential partner schools
- Mentored new directors, helped manage tutors, and assisted management in forming company strategy

### **PowerScore**      **LSAT Instructor (San Jose, CA)**      *June 2011 – Present*

- 99th percentile score on the LSAT, a logic (not law) based test
- Managed classrooms of up to 40 students. Positive feedback available upon request
- Responsible for creating lesson plans to augment standardized curriculum
- Condensed/articulated complex logical ideas into comprehensible parts

## EDUCATION

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### **Bachelor of Arts in English,**      **University of Florida,**      **2007**

- Associates Degree with Honors
- Attended as a National Merit Scholarship recipient