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# Ty Brooks

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## RECENT PROJECTS

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

Text in submitted recipes can be highlighted and annotated by other users, and annotations can be commented on. Backbone App consuming RESTful API.

- Uses concerns/polymorphic associations on Rails backend to allow annotations of multiple model types.
- Uses native JS and DOM traversal to calculate starting and ending position of user's highlighted selection, even when the containing element contains multiple text nodes.
- Uses event aggregator to coordinate actions between subviews and parent views.

### **Cosmic Drift-** Deployed: <http://tyrusb.github.io/Asteroids> | 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
- Utilizes a surrogate prototypal inheritance pattern
- 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.
- Uses advanced SQL querying, with escaping to prevent injection attacks.

## LANGUAGES AND SKILLS

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Ruby, Rails, Python, JavaScript, jQuery, Backbone.js, Java (novice), 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*

- 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.