

# JEFFREY BARSZCZ | WEB DEVELOPER

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## PROJECTS

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**BeatSoup (Live | Github):** A web application inspired by the popular social music site SoundCloud.

- Written in Backbone.js, consuming a RESTful JSON API served by a Ruby on Rails backend.
- Single-page app with Backbone composite views, making heavy use of AJAX, allowing for a now-playing queue that persists across a user's session.
- Overrides Backbone.sync to better facilitate error handling.

**Fixpoint (Live | Github):** A reader for [Hacker News](#) written with React.js.

- Leverages React's fast virtual DOM to create a highly performant single-page app.
- Consumes Hacker News' Firebase API, allowing for real-time updates.
- Features live search/filter of current top 100 stories on HN.

**JSteroids (Live | Github):** A browser-based JS version of the classic game Asteroids.

- Extends JS's Array prototype to add functions for vector math.
- Utilizes HTML5 Canvas for animation.

**ActiveRecord Lite (Github):** A basic reimplementation of Ruby on Rails' ActiveRecord ORM library.

- Takes advantage of Ruby's powerful reflection and metaprogramming facilities, including `send` and `define_method`.
- Implements search queries, insert/update, and associations.

## SKILLS

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Ruby, Rails, Javascript, jQuery, Backbone.js, Node.js, React.js, Python, HTML(5), CSS, Clojure (learning), Git, PostgreSQL, Drupal 6 & 7, TDD,  $\LaTeX$

## WORK EXPERIENCE

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### Web Developer

**September–December 2013**

*George Washington University*

*Washington, DC*

*Columbian College Office of Technology Services*

- Built and maintained web sites using Drupal CMS
- Learned Drupal 6 and 7 while on the job
- Migrated over 60 department websites serving over 10,000 students and faculty from an old, poorly-documented Drupal 6-based platform to a new Drupal 7-based one
- Managed Google Analytics for these sites
- Wrote internal documentation for site maintenance tasks on the new platform

## EDUCATION

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### App Academy

**November 2014–January 2015**

Learned Ruby, Rails, Javascript and Backbone

*New York, NY*

- 5% acceptance rate, 10% attrition rate

### B.A. International Affairs, Magna Cum Laude

**August 2010–May 2014**

*George Washington University, Elliott School of International Affairs*

*Washington, DC*

- Minor in Economics
- Coursework in mathematics up to and including Multivariable Calculus