

# Dmitry Slavnikov



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## PROJECTS

### BootUp (Rails, PostgreSQL, React, Redux)

[Live Site](#) | [Code Repo](#)

*Startup site inspired by Kickstarter.*

- Refactors pages into separate React components, maximizing code reusability and adaptability.
- Adopts the Redux model and connect all components to a single frontend data repository, ensuring data integrity and providing a reactive user interface.
- Uses Rails ActiveRecord to fetch groups of linked resources (including AWS relations), minimizing database queries.
- Employs Amazon S3 for resource management, eliminating the need for local media storage.

### Space Heroes (JavaScript ES6, jQuery, Firebase)

[Live Site](#) | [Code Repo](#)

*An in-browser, modular take on the Atari classic.*

- Makes extensive use of ES6 module syntax, making the code highly configurable and allowing for quick and easy development and rollout of new features.
- Leverages the power of Canvas, producing reactive graphics, including animations and particle effects.
- Employs Google Firebase, storing and displaying player scores with minimal backend setup.

### RubyQuarry (Ruby, SQLite3)

[Code Repo](#)

*An object-relational mapping library for managing SQLite3 databases with Ruby.*

- Eliminates the need for raw SQL code with syntactic Ruby methods.
- Enables linking of database resources, allowing grouped retrieval of objects based their relationships.
- Provides a set of clear conventions for database and model setup, reducing the need for lengthy configuration.

## CAREER HISTORY

### Teach For America - Middle School Science Teacher

*Bridgeport CT, Aug 2015 - Jun 2018*

- Differentiated instruction for students with learning difficulties
- Designed and implemented instructional strategies based on collected student progress data
- Grew from an 'underperforming' to 'accomplished' work rating (as assessed by head of academic department).

### Cornell University Press - Sales Associate

*Ithaca NY, Apr 2014 - Jul 2015*

- Worked on the promotion of a title which, at the end of the sales campaign, warranted a second printing to meet demand.
- Researched and contacted potential non-traditional book vendors.
- Prepared general and custom sales pieces for academic publications.

### Cornell University - Biochemistry Teaching Assistant

*Ithaca NY, Jan 2014 - Jan 2015*

- Tutored high-achieving students through individual instruction

### Revolution Prep - SAT Tutoring Branch Manager

*New York, NY Mar 2012 - Aug 2012*

- Independently brought in over 20 students for a full-time summer course and effected an over 18% average score growth.

## SKILLS

- React
- Redux
- JavaScript
- Ruby on Rails
- RSpec
- HTML / CSS
- jQuery
- Git
- Amazon S3
- Google Firebase

## EDUCATION

### Cornell University

*B.S. in Biology, Class of 2015*

- Magna Cum Laude
- GPA: 3.92

### Brooklyn Technical H.S.

*Class of 2011*

- Salutatorian of class of over 1000 students

### MCAT 2015

- Score 522 (99th percentile)