Dmitry Slavnikov

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PROJECTS

BootUp (Rails, PostgreSQL, React, Redux)   Live Site | Code Repo
Startup site inspired by Kickstarter.
- Maximizes code reusability and adaptability by refactoring pages into imported React components
- Ensures data integrity using the Redux model to connect all components to a single frontend data repository and threading data as necessary to child components
- Minimizes database queries by using Rails framework associations to fetch multiple linked resources along with relevant AWS-stored image relations in a single request
- Employs Amazon S3 for offsite resource storage and thus eliminates the need for local image storage

Space Invaders (JavaScript ES6, jQuery)   Live Site | Code Repo
An in browser, modular take on an Atari classic.
- Makes extensive use of ES6 module syntax to make the code highly configurable and allowing for quick and easy development and rollout of new content.
- Leverages the power of Canvas to produce reactive graphics and interface.

RubyQuarry (Ruby, SQLite3)   Code Repo
An object-relational mapping library for managing SQLite3 databases with Ruby.
- Replaces the need for raw SQL code with syntactic Ruby methods.
- Allows quick and easy linking of and retrieval of related resources.
- Guides users in creation of logical and organized database framework and reduces need for lengthy configuration with a clear and consistent set of conventions.

CAREER HISTORY

Teach For America - Middle School Science Teacher
Bridgeport CT, Aug 2015 - Jun 2018
- Differentiated instruction for students with learning exceptionalities
- Designed and implemented instructional strategies based on collected student achievement and progress data
- Grew from an 'underperforming' to 'accomplished' rating, as assessed by head of academic department.

Cornell University Press - Sales Associate
Ithaca NY, Apr 2014 - Jub 2015
- Worked on the promotion of a title that at the end of the sales campaign warranted a second printing to meet demand.
- Researched and contacted potential non-traditional book vendors for a variety of academic titles.
- Prepared general and custom sales pieces.

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 affected an over 18% average score growth.

SKILLS

- React
- Redux
- JavaScript
- Ruby on Rails
- RSpec
- HTML / CSS
- jQuery
- Git

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)