Dzheni Dilcheva

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LinkedIn · GitHub · Portfolio

Projects

TaskChamp (Rails, JavaScript, ReactJS, PostgreSQL)   live • github
A RESTful, single-page app with Redux architecture and a JSON API.
- Manages back-end user authentication with BCrypt.
- Ensures account privacy and secure routing with Rails controller checks.
- Leverages Redux architectural principles to minimize AJAX calls and optimize user interaction when assigning, updating, and commenting on team projects.
- DRYs code with polymorphic Active Record associations, JSON partials, and reusable React components for scalability.

Tetronimos (JavaScript, HTML5, CSS, Canvas)   live • github
A tile-matching JS browser game.
- Follows Object-Oriented Design to allow for easy add-on of features.
- Uses ES6 language specification and babel to transpile code into ES5

EasyData (Ruby)   github
A lightweight ORM in Ruby that reproduces the core functionality of ActiveRecord.
- Uses Ruby metaprogramming techniques to define getter and setter methods for convenient manipulation of table data.
- Allows for single and multi-step associations between models in order to streamline common operations involving relationships between tables.
- Uses ActiveSupport to infer default parameters, such as table names, primary and foreign keys.

Skills

Ruby • Ruby on Rails • RSpec • SQL • JavaScript • jQuery • React • Redux • HTML5 • CSS3 • Git

Education & Training

App Academy, New York, NY • 1000-hour full-stack programming bootcamp with <5% acceptance rate (Aug - Nov 2016)
University of Buffalo, Buffalo, NY • MA Transnational Studies (2004-2009)
Trinity College, Hartford, CT • BA International Studies (2004-2009)

Professional Experience

Administrative Coordinator, The Graduate Center, CUNY, New York, NY (2014-'16)
- Led effort to optimize program workflow by introducing tighter data management practices and more efficient communication tools
- Spearheaded an alumni outreach effort by generating database, web content, and newsletter