Szymon {Simon} Wojnar

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PROJECTS

Lax (React/Redux, Rails, PostgreSQL)   Live / Github
RESTful, single-page chat app with Flux architecture and JSON API

- Integrates WebSocket bidirectional traffic using the Pusher API to provide real-time updates and minimize reliance on AJAX requests
- Leverages Redux's efficient state updates and selective AJAX requests to only update data in the active channel
- Employs AWS S3 cloud storage to implement custom avatar uploads and to ensure app's scalability

Bronson (Ruby, Metaprogramming, SQL)   Github
Lightweight MVC + ORM package with RESTful HTTP conventions

- Utilizes the Rack request/response interface and regular expression matching to dispatch incoming HTTP requests to the appropriate controller actions
- Leverages OOP principles to provide an inheritable, ActiveRecord-like base class that exposes CRUD functionality

Thanks (JavaScript, Canvas API, jQuery)   Live / Github
Browser game built with Canvas API and jQuery

- Provides precise collision detection by directly querying pixel data using the Canvas API
- Implements custom calculations to accurately model 2D particle motion and turret angle rendering

EXPERIENCE

Wilshire Associates - Jersey City NJ
Senior Business Analyst / Business Analyst- Client Servicing Team
July 2013 - September 2015

- Automated a daily data reconciliation process that saved my team 30-40 minutes every day
- Within one year of starting the position, took over responsibilities from a Senior Associate to manage all aspects of daily and monthly risk and attribution reporting for 80 portfolios ($55B)
- Identified and streamlined a key daily data transmission process that decreased the daily processing burden by one hour

SKILLS

Ruby	Rails	RSpec
JavaScript	jQuery	React
Redux	SQL	Git
HTML5	CSS3	JIRA
Python		

EDUCATION

App Academy
Feb 2017 - May 2017
New York, NY

1000+ hour software development course with < 3% acceptance rate

Topics: Rails, JS, React/Redux, OOP, REST, SQL, algorithms, design patterns

Stony Brook University
Sept 2015 - Dec 2016
Stony Brook, NY

Coursework in applied mathematics and CS;

Courses: CS I/II with Java, Data structures, finite mathematics, linear algebra, calculus sequence

University of Glasgow
Sept 2011 - Nov 2012
Glasgow, Scotland

MS International Economics

Fordham University
Sept 2006 - May 2010
New York, NY

BA Economics