Szymon {Simon} Wojnar

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PROJECTS

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

- Leverages the WebSocket protocol via the Pusher API to provide real-time messaging and updates
- Minimizes database connection overhead by eagerly loading required data through associations
- Ensures scalability by employing the AWS S3 API for storing avatar images uploaded by users

Bronson (Ruby, Metaprogramming, SQLite)   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, HTML Canvas, jQuery)   Live / Github
Browser game built with HTML Canvas API and jQuery

- Provides precise collision detection by directly querying pixel data using the HTML 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- Analytics Team
July 2013 - September 2015

- Collaborated with the development team to identify and translate client needs into custom solutions
- Leveraged scripting to develop data reconciliation tools that saved my team significant time every day
- Conducted live WebEx sessions with clients to troubleshoot sensitive, show-stopping software issues
- 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)

SKILLS

Ruby	Rails	RSpec
JavaScript	jQuery	React
Redux	SQL	Git
HTML5	CSS3	JIRA
Bootstrap	Python	AWS
WebPack	Linux	

EDUCATION

App Academy
Feb 2017 - May 2017
New York, NY

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

Topics: Rails, JavaScript, React/Redux, OOP, REST, SQL, algorithms, design patterns, TDD development

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

Coursework in Computer Science and Applied Mathematics

University of Glasgow
Sept 2011 - Nov 2012
Glasgow, Scotland

MS, Economics

Fordham University
Sept 2006 - May 2010
New York, NY

BA, Economics