

# Szymon {Simon} Wojnar

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## PROJECTS

### Lax (React/Redux, Redis, Rails, PostgreSQL) [Live](#) / [Github](#)

RESTful, single-page chat app with Flux architecture and JSON API

- Integrates WebSocket bidirectional traffic using Rails Action Cable and Redis to provide real-time updates and minimize reliance on AJAX requests
- Makes use of Redux's efficient state updates and selective AJAX requests to only update data in the active channel

### Bronson (Ruby, Metaprogramming, SQL) [Github](#)

Lightweight MVC + ORM package with RESTful HTTP conventions

- Uses 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
- Persists session data across requests to provide convenient current session management capabilities

### 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 - 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  |

## 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: Data structures, finite mathematics, linear algebra

### University of Glasgow

Sept 2011 - Nov 2012

Glasgow, Scotland

MS International Economics

### Fordham University

Sept 2006 - May 2010

New York, NY

BA Economics