

# Szymon {Simon} Wojnar

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## PROJECTS

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

- Integrates WebSocket bidirectional traffic using the Pusher API to provide real-time notifications and minimize reliance on AJAX requests
- Leverages eager loading of associations to minimize database query overhead on the back-end
- Employs AWS S3 cloud storage to implement custom avatar uploads and to ensure app's scalability

**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- 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
Bootstrap	Python	AWS
Webpack		

## 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, TDD development

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

Applied Mathematics and Computer Science

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