

# JON FRIESTEDT

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 Portfolio  GitHub  LinkedIn

## Software Projects

### Smartypants

[Live](#) | [GitHub](#)

*A single-page clone of Genius.com, built with Rails and React.js with Flux application architecture.*

- Utilizes a series of DOM interactions and event listeners to enable intuitive user interactions specific to the user's location on the page.
- Keeps code DRY and maximizes readability by implementing polymorphic model associations on the backend and modular React components on the frontend.
- Enables meaningful user content generation by supporting easy & secure image file upload through Paperclip and AWS S3 cloud storage.

### Street Dodger

[Live](#) | [GitHub](#)

*An arcade-style timing game built with HTML5 Canvas and JavaScript.*

- Procedurally generates enemies with hand-coded sprite animation.
- Escalates game difficulty by implementing timing events to steadily increase enemy speed.
- Scores player's performance by calculating overlap of HTML5 Canvas elements in real time.

### Monorail

[GitHub](#)

*A lightweight MVC framework, inspired by Rails, built from scratch with Ruby.*

- Provides base controller with methods to construct HTML response to HTTP request, available to resource controllers via inheritance
- Builds resource routes from a single draw command to the provided router; enables easy delegation to appropriate controller by matching HTTP request path and verb

## Skills

Ruby • Rails • Node.js • React • Flux • HTML5 (Canvas) • CSS3 (Flexbox/SASS) • JavaScript (ES6) • jQuery • PostgreSQL • Mocha • Chai • Jest • RSpec • Photoshop (CS6) • Docker • Heroku • AWS (S3) • Webpack • Git • AJAX

## Professional Experience

### App Academy

New York, NY | Sep 2016 - Present

#### Jumpstart TA

- Presented coding demonstrations of core programming concepts to a class of 55 students.
- Personally oversaw the progress of 18 students, answering technical questions and teaching best practices for coding with Ruby.

### McGivney & Kluger, P.C.

New York, NY | Aug 2015–Jun 2016

#### Legal Assistant

- Maintained a complete record of deposition summaries for a major defense firm. Streamlined the recordkeeping process for case matters, producing avg. 30% faster record lookup.
- Oversaw sizeable records transfers for four major clients in and out of the firm, resulting in a seamless, resource-light transition to/from substituting counsel.

## Education & Training

### App Academy

New York, NY | Jun–Sep 2016

- 1000-hour full-stack web development bootcamp with acceptance rate < 3%
- Topics covered: TDD, scalability, algorithms, OOP, coding style, single-page apps, best practices.

### NYU Steinhardt

New York, NY | Fall 2010–Spring 2014

*BM - Vocal Performance; Minor - Business of Entertainment, Media & Technology*

- Curriculum Highlights: Intro to Web Design & Computer Principles; Digital Business Strategies; Video Games: Culture & Industry