




# Christopher Shay

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## Projects

**Found** Rails · React · Redux [live](#) · [github](#)

Social media article one-page app inspired by Medium.com

- Customizes ActiveRecord queries to allow for feed scalability as user base increases
- Combines two PostgreSQL database tables to concisely represent multiple features in the app, providing unique, DRY, and modular code throughout the project
- Creates dynamic Jbuilder views that format data for the JSON API, which hydrates React components for real-time updates

**Rough Life** JavaScript [live](#) · [github](#)

JavaScript game employing HTML5/Canvas to play Conway's classic game of life

- Optimizes rendering of 10,000 rectangles using fast lookup hashmap to store data
- Construct algorithm determining whether any grid section has static or oscillating patterns

**Maglev** Ruby · Rack · SQL [github](#)

Framework to create an application built from Restful API and HTTP request-response cycle

- Integrates class inheritance to provide user access to website building blocks
  - Assigns metaprogramming to method calls for portable data throughout application
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## Skills

Ruby · Rails · RSpec · SQL · JavaScript · React · Redux · jQuery · HTML · CSS3 · Git

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## Education

**App Academy** · New York, NY Oct 2016 · Jan 2017

- 1000 hour intensive coding academy focused on CS fundamentals, JavaScript
- Programming academy with < 3% acceptance rate for software developers

**The College of William and Mary** · Williamsburg, VA Aug 2009 · June 2013  
B. A. in Linguistics

- Coordinated volunteer network of 100 students to tutor local elementary school
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## Work History

**Event Coordinator** · Reformed University Fellowship · Providence, RI June 2013 · May 2016

- Spearheaded establishment of new student chapter at local vocational school
- Created development network, increasing donor base by 15 new contacts per year; fundraised \$120,000 from 78 supporters