

# Nathaniel Ott Homer

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## Projects

**ShouldReads** (Rails, React.js, Flux, PostgreSQL)

*Single page web-app for browsing, organizing, and discovering new books*

- Employs Google Books API to retrieve publication information, resulting in richer UX
- Ensures secure login via Twitter OmniAuth for reliable, convenient authentication
- Stores images using AWS S3, reducing page load and allowing for scaling

**Muck** (Ruby, Rack)

*Lightweight Server Framework to provide CRUD actions for small-scale web applications*

- Uses OOP & RegExp to build out RESTful JSON API for interfacing with PostgreSQL database

**NH-101** (React.js, jQuery, HTML5, CSS3)

*A polyphonic subtractive synthesizer*

- React.js handles parameter changes in order to lighten DOM re-rendering
- Web Audio API leveraged for sound generation & modulation capabilities

## Skills

Ruby, Rails, JavaScript, React, Flux, SQL, Git, CSS3, HTML5, jQuery, PostgreSQL, RSpec

## Education

**App Academy** – New York, NY

July-2016

- 1000-hour full stack web development course with <3% acceptance rate
- Emphasis on current design patterns & best practices

**Vassar College** – Poughkeepsie, NY

2006-2010

B.A. in Art History

Relevant Coursework: CS101 & CS102 (Data Structures)

## Experience

**Composer/Synthesist** – New York, NY

2009-present

- Scored short films, multimedia projects and undergone 3 tours of live music
- Built homemade synthesizer, self-recorded/engineered 2 albums of original music

Homepage: [natotthomer.com](http://natotthomer.com)

GitHub: <https://github.com/natotthomer>

LinkedIn: <https://www.linkedin.com/in/nathanielotthomer>