

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

- Sliders adjust AudioParam values to achieve flexible sound-design options
- React.js handles DOM re-rendering on AudioParam changes to keep page load light

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

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

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