MICHAEL NEWTON WEB DEVELOPER

5 Debevoise St. #4R, Brooklyn, NY 11206 • 614.561.2923 • mn@one-timepad.com

PROJECTS

Message · *Back-end:* Ruby on Rails, PostgreSQL, jBuilder.
Front-end: JavaScript, React.js/Redux, HTML5, CSS3.
Full-stack blogging app inspired by Medium · live demo · github

- Leveraged complex SQL queries via Ruby on Rails/ActiveRecord and jBuilder to quickly load information from the database, improving overall app performance and allowing for quick display of all recent user activity.

- Integrated the QuillJS API to facilitate seamless inline editing, allowing users to easily add rich text styling to their stories.

- Utilized modular React components and CSS transitions to create a streamlined, stylish UI, with dynamic changes based on database updates (users recommending stories, following other users, adding comments, etc.).

Hum · JavaScript, React.js/Redux, HTML5, CSS3
Color-based, visual music/audio mixer and instrument · live demo · github

- Implemented JavaScript image analysis to dynamically interpret color data.

- Worked with the HowlerJS API and HTML5 audio API to create intuitive UX.

- Devised JavaScript algorithms to manage audio manipulation.

BvY Chess · Ruby
Terminal chess game · github

- Implemented object-oriented programming patterns to create a functional chess game with computer opponent.

- Developed algorithms to calculate game state and measure moves by AI.

EXPERIENCE

Web Developer
ProjectEd, 2017-present

- Develop web apps using React.js/JavaScript, Rails/Ruby, MySQL, Sass, and various other tools (including: Webpack, npm, Jest/Enzyme, Selenium, Git/GitHub, Jenkins, Contentful, Jira).

- Make updates to large, already-extant codebases.

Web Designer, Front-end Developer
CareerMD, 2014-2017

- Coded and redesigned company website using HTML5/CSS3, updating and revitalizing the site's look and feel.

- Improved site functionality/UX by creating custom JavaScript elements.

Graphic/Web Designer
The Week Magazine, 2010-2013

- Designed and coded digital promotions, expanding the brand's marketing capabilities and leading to increased digital subscription rates.

- Designed and implemented dynamic templates, helping to modernize and improve sales outreach.

SKILLS

Back-end:

Ruby

Ruby on Rails

SQL

RSpec

Front-end:

JavaScript

React.js

Redux

jQuery

HTML5

CSS3

Sass

Other:

Git

Heroku

EDUCATION

App Academy, 2017
New York, NY

1,000-hour full-stack programming bootcamp with under 3% acceptance rate.

Cranbrook Academy of Art, 2008
Bloomfield Hills, MI

Master of Fine Arts. Concentrations in graphic design and photography.

PORTFOLIO

GITHUB

LINKEDIN