

MICHAEL NEWTON WEB DEVELOPER

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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 Designer, Front-end Developer

CareerMD, 2014-2017

- Coded and redesigned company website using HTML5/CSS3, updating and revitalizing the site's look and feel.
- Produced animations and responsive design elements in JavaScript, improving functionality and UX.

Graphic/Web Designer

TheWeek Magazine, 2010-2013

- Designed and coded digital promotions including email blasts, small websites and animated ads, 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.

Freelance Designer

2006-present

- Created custom websites, both from scratch and using established CMS systems.
- Created custom animations and ads in JavaScript and CSS.

SKILLS

Back-end:

Ruby

Ruby on Rails

SQL

RSpec

Front-end:

JavaScript

React.js

Redux

jQuery

HTML5

CSS3

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