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Michael W. Johnson

[Profile](#)

[LinkedIn](#)

[GitHub](#)

Technical Skills

JavaScript	<div></div>
React	<div></div>
Redux	<div></div>
Ruby	<div></div>
Rails	<div></div>
SQL	<div></div>
HTML5	<div></div>
Sass	<div></div>
Node	<div></div>
Ubuntu	<div></div>
Canvas	<div></div>

Education

Pennsylvania State University

- BS Science - 2013
- minor Bioengineering
- 3.5 GPA

App Academy - 2017

- Web development course
- Full-stack, 1000 hours
- < 3 % acceptance rate

Trivia...

I'm an amateur chef with a penchant for grilled and spicy food, though my cooking skills don't stop there.

I've hosted barbecues and can prepare some amazing pies.

I also mod computer games.

Projects

MockDoc | (React/Redux, Rails 5, Google Maps API, Sass)

[live](#) | [github](#)

- *A clone of ZocDoc*
- Use Google Maps API to display addresses of doctors on a map, allowing users to select doctors by location
- DRY code with helper methods for sorting appointments by doctor and by day to make scheduling appointments easy for patients
- Apply eager loading to search results for doctors, significantly reducing SQL queries
- Write Sass to reduce and write more maintainable CSS code with variables, nesting, inheritance, and partials

RDCover | (Ruby, SQL)

[github](#)

- *An Object Relational Mapping library built out of Ruby*
- Use Ruby metaprogramming to dynamically create association macros
- ORM implements basic CRUD functionality allowing users to quickly create, read and update data entries to SQL databases

Blockhead | (JavaScript, Canvas)

[live](#) | [github](#)

- *A navigation puzzle game*
- Render game using canvas context for responsive gameplay
- Apply object-oriented design techniques to separate code by functionality, defining game rules in one class and rendering logic in another, ensuring bug-free gameplay
- Designed levels to be flexible and modular, allowing new game features and level updates to be implemented without refactoring old code

Experience

Painter

Self-employed

2014 - 2017

- Painted and remodeled house interiors part-time, receiving praise for quality work while procuring supplies and managing expenses independently

Busser

Amore

2016

- Delivered food and cleaned tables using an ID system to identify customers by table, speeding up service during high-demand hours and reducing wait-times

Tutor

Pennsylvania State University

Aug 2009 - Dec 2010

- Taught calculus and chemistry to Penn State students, improving grades for multiple students

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Github: github.com/mjohnson324

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RDCover | github.com/mjohnson324/RDCover

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Blockhead | michael-w-johnson.com/blockhead/ | github.com/mjohnson324/blockhead

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