

# MICHAEL MONTALBANO

WEB DEVELOPER

## TECHNICAL SKILLS

AWS  
Canvas  
CSS  
Git  
Heroku  
HTML5 w/ canvas  
Javascript  
jQuery  
PostgreSQL  
Rails  
React/Redux  
Ruby  
TDD

## PERSONAL SKILLS

Problem Solver  
Fast learner  
Embrace challenges  
Team player  
Creative spirit  
Reliable and professional  
Organized  
Curious  
Motivated

## CONTACT

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## PROJECTS

### Checkplease (Rails, PostgreSQL, React, Redux)

[LIVE](#) [GITHUB](#)

A full stack, single-page restaurant search and reservation creating app, inspired by OpenTable.

- Prefetched data structures utilizing React, ActiveRecord and jBuilder, resulting in minimized AJAX requests.
- Integrated Google Maps API for geolocation based searching to display restaurant locations.
- Structured a boolean slice of state to enable form submissions to populate same page results.

### Jumpin Jellyfish (JavaScript)

[LIVE](#) [GITHUB](#)

A fun interactive game using JavaScript and Canvas.

- Utilized canvas to animate heros and jellyfish based on position and velocity.
- Formulated a complex algorithm to check if canvas "objects" were clicked.
- Integrated sound effects and background gifs to enhance user experience.
- Designed increasingly difficult levels requiring users to use learned skills.

### MonteChess (Ruby)

[GITHUB](#)

A code-intensive project using Ruby.

- Cleverly structured possible moves arrays coupled with an undo move to examine if the board is in a 'check' or 'checkmate' situation.
- Integrated a cursor which renders moving highlighted squares on the board.

## EDUCATION

### APP ACADEMY (2018)

1000+ hour full-stack bootcamp, < 3% acceptance rate.

### COLUMBIA UNIVERSITY (2008-2010)

Masters of Arts in Math Education.

### CARNEGIE MELLON UNIVERSITY (2004-2008)

Bachelor of Science in Mathematics.

## EXPERIENCE

### MATH TEACHER/TUTOR (2010-PRESENT)

- Improved academic performance and SAT/ACT scores for all of my students.
- Published unique test taking strategy videos on YouTube.
- Developed curriculums and taught in classrooms at the middle school (algebra), high school (geometry and calculus) and college levels (diffEq and Calc3).