KATHLEEN TOWNLEY

SOFTWARE ENGINEER

CONTACT

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SKILLS

React | Redux | JavaScript | Ruby |
Ruby on Rails | npm | Git |
Webpack | HTML5 | CSS3 | Canvas |
SQL | AJAX | jQuery | SCSS

EDUCATION

APP ACADEMY
Web App Development 2017-2018
- An intensive Full Stack web development course with < 3% acceptance rate

MIAMI UNIVERSITY
MSc Education and Social Change 2013-2015
- 3.9 GPA

INDIANA UNIVERSITY
BA International Relations 2004-2008
- Phi Beta Kappa
- GPA 3.9, Graduated with highest honors

PROJECTS

HOOT | REACT | JAVASCRIPT | POSTGRESQL | HTML5 | SCSS | REDUX |
A Full Stack Yelp clone   LIVE | REPO
- Developed custom ActiveRecord queries to optimize search performance.
- Integrated Google Maps API for geolocation-based searching.
- Utilized image cloud storage through AWS, allowing for app scalability.
- Created multiple filters on the frontend allowing users to customize search results.

DECIMATION | CANVAS | JAVASCRIPT | CSS3 | HTML5 | FIREBASE |
A browser edTech game that teaches word-decimal recognition.   LIVE | REPO
- Implemented event listeners for game controls and recursively called RequestAnimationFrame to update screen before the next repaint.
- Integrated multiple layered canvases for complex scenes to avoid expensive re-renderings of unaltered objects and backgrounds.
- Used the cloud-hosted NoSQL database Firebase to store and sync users scores.

EXPERIENCES

MASTER MATHEMATICS INSTRUCTOR
Denver School of Science and Technology 2015-2017
- Became the top performing classroom within Denver Public Schools and the state of Colorado for the 2015 and 2016 school years with a 17% and 21% increase in student proficiency respectively.
- Tasked with designing and implementing network-wide blended learning curriculum reaching over 1,500 students in six schools using adaptive technologies to individualize learning objectives and provide powerful data analytics.

LEAD MATHEMATICS INSTRUCTOR
Miami-Dade County Public Schools 2011-2015
- Recognized as a top-ten educator out of a pool of over 20,000 teachers by my second year.
- Founded and managed an after-school tutoring program aimed at reducing recidivism for at-risk students. Designed data-based individualized learning programs, resulting in a 100% passing rate.

TEACH FOR AMERICA
Corps Member 2011-2013
- Selected from a pool of over 47,000 applicants to take part in an intensive teacher preparation program followed by a two year commitment to teach in underserved, high needs communities.

REFERENCES ARE AVAILABLE UPON REQUEST