AUDREY MEFFORD

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SKILLS

- Ruby
- Ruby on Rails
- JavaScript
- jQuery
- React
- Redux
- SQL
- Git
- HTML
- CSS
- Vue
- Vuex

EDUCATION

Web Development

App Academy, June 2017

Immersive full-stack web development course: Rails, SQL, JS, React, TDD, algorithms, and programming best practices

BA International Studies & Foreign Language

University of Tennessee at Chattanooga May 2014 | GPA 3.9

PROJECTS

GRAPHIT   LIVE | GITHUB

Data visualization web app built with Ruby on Rails, React/Redux, and C3.js charting library

- Designed UI for interactively generating and viewing charts from user-uploaded data sets
- Displayed real-time graph updates based on user input by leveraging React life cycle methods, enhancing UX
- Optimized efficiency of C3.js by dynamically analyzing JSON objects to capture the minimum necessary data for chart generation

ON THE DOT   LIVE | GITHUB

Browser version of table game built with vanilla JavaScript, HTML, & CSS

- Leveraged HTML5 Canvas to quickly display patterns and cards as the player moves them around
- Developed a randomization algorithm to generate new patterns, allowing for infinite play
- Enhanced display with CSS3 animations to create a visually interactive environment

RUBY VISUALIZER   LIVE | GITHUB

Educational web app for Ruby students that displays their code line-by-line

- Utilized built-in Ruby TracePoint class to place break points at each line of user-provided code
- Created algorithm using binding_of_caller gem to store local variables at each break point, returning them in a formatted JSON object
- Implemented Vue.js display that allows the user to navigate step by step through the visualization

WORK EXPERIENCE

Operations Analyst/HIM Coordinator

Resurrection Health, December 2014—December 2016

- Mined MySQL database of electronic health record (EHR) software for quality metrics used in successful grant applications
- Oversaw training and logistics for organization-wide implementation of new EHR software for 30+ employees
- Ensured unified and streamlined use of the software across the organization by developing and training on best practices for using the EHR with all incoming employees
- Established credentialing process for all healthcare professionals, increasing reimbursement rates