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Projects

Flora - **React, Redux, Ruby on Rails, JQuery**   live | github

Created a single-page Q & A message board inspired by Quora

- Implemented basic user authentication.
- Avoided N+1 calls by leveraging Rails' ability to include necessary associations in initial request. This was critical due to the highly-nested database schema.
- Limited JSON responses to necessary data using JBuilder, reducing load-times while preserving users' privacy.

Absolute Zero - **JavaScript, Phaser.js, HTML5, Canvas**   live | github

Developed a fast-paced tower-defense style browser game

- Created collision-detection checks for circular shapes.
- Provided users visual information regarding entity status using color and size.

swORM - **Ruby**   github

Created an ORM from scratch to master relational database interactions.

- Implemented chainable associations for efficient querying of associated data.

Skills

- **JavaScript**
- **CSS3**
- **jQuery**
- **Ruby**
- **PostgreSQL**
- **Ruby on Rails**
- **AutoIt**
- **React**
- **RSpec**
- **HTML5**
- **Redux**

Experience

Elmhurst Hospital Center (NYC H+H) - Assistant Healthcare Program Analyst (12/2014 - 12/2016)

- Learned AutoIt to script Medicaid eligibility look-up, heavily utilizing regular expressions. Task went from requiring 3 people 3 work weeks to complete to fully-automated on 1 computer running for 40 hours.
- Prepared all departments for Siemens Soarian implementation by created all learning material and teaching several courses. Refactored Medicaid script and added functionality to work with HTML iframes for the newly implemented system.
- Directly assisted CFO of hospital with the logistics of training entire provider population to use Epic electronic medical records by consolidating data from various departments and systems via scripts.
- Created several scripts and reports automating over a dozen processes.

Education

App Academy
(12/2016 - 2/2017)

- 1000-hour full-stack programming course.
- Focus on style, best practices, test-driven development and paired programming.

Sophie-Davis School of Biomedical Sciences (CUNY) - B.S. Biomedical Sciences (8/2007 - 5/2012)

- Volunteered at Bellevue Hospital's Medical Director's Office, tracking population health using statistical software to reducing 30-day readmissions.
- Created a Community Health Assessment utilizing Census data to identify correlations between demographics and health risks.