Sarah Confrancisco

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Links:	GitHub; LinkedIn; AngelList; https://sarahconfrancisco.github.io/

Skills

Ruby; Rails; RSpec; JavaScript; jQuery; SQL; HTML5; CSS3; React; Flux (Redux); Python
Git; LaTeX; Mathematica; Matlab
Beginner: C++, C#

Projects

Welp   Live GitHub

Single page web application inspired by Yelp created in 9 days
using Rails, JavaScript, CSS, React, Redux, PostgreSQL
Employs Google maps API to create a unique static image for each Restaurant page
    and to render all Restaurants searched for on a Google Map using markers
Utilizes a RESTful routing backend with JSON views
Implemented a static search across multiple fields

Sort Visualizations   Demo GitHub
Visualizations of bubble, merge, and quick sort using Javascript, Easel, HTML5, and SCSS.
Compare the time complexity of different sorts based on different inputs
Show the logic of sorting algorithms

Dynamic Ruby Archive   GitHub
Object relational mapping library for Ruby. Built in Ruby and SQL
Connects ruby classes to relational sqlite3 database tables
Establishes a persistence layer for applications with minimal configuration

Capstone Project   GitHub

Built Spring 2016 using Python
Designed an algorithm to find the optimal packing of n disks in
    a one by one square

Harmonograph   GitHub

Built Summer 2015
Designed and built a two pendulum apparatus.
Modeled the drawing output of the apparatus using C#

Education

Dec 2016 - March 2017	**Software Engineering** **App Academy** New York, NY 1000 hour full-stack software development course; 3% acceptance rate
Sept 2012 - May 2016	Bachelors of Science in **Microelectronic Physics** Minor in **Mathematics** **Salisbury University** Salisbury, MD
Curriculum Highlights	**3.6 GPA**; Computer Architecture; Analog Electronics; Digital Electronics Differential Equations II; Calculus III; Linear Algebra

Work History

2014-2016	**LPL Financial** Add and update contact information in the client management system
2013-2016	**Grading Assistant** Grade 200+ homework assignments a week accurately and in a timely manner

References available on request