Sarah Confrancisco

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

Skills

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

Projects

Welp   Live GitHub
Web application inspired by Yelp built with Rails, ReactJS, Redux, PostgreSQL, CSS3
Created a custom ActiveRecord query to allow users to enter one location that searches multiple
  fields and prevents N + 1 queries for a better user experience
Stores images remotely with AWS for scalability
Displays restaurant search results on a map and a restaurant's location on its details' page
  with Google Maps API

Sort Visualizations   Demo GitHub
Visualizations of bubble, merge, and quick sort using Javascript, Easel, HTML5/CSS3.
Compares the time and space complexity of sorts based on different inputs
Make it easier for beginner programmers to understand the logic of sorts

Dynamic Ruby Archive   GitHub
Object relational mapping library for Ruby. Built in Ruby and SQL
Allows users to keep code DRY with minimal configuration
Supports connections between database tables

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

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

Education

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

Work History

2014-2016	**LPL Financial** Enter data including client contact information and IRS compliance records into the in-house client management system
2013-2016	**Grading Assistant** Grade 200+ Physics I homework assignments a week accurately and in a timely manner

References available on request