# 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; LTFX; 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 - **Software Engineering**March 2017 **App Academy** New York, NY

1000 hour full-stack software development course; 3% acceptance rate

Sept 2012 - Bachelors of Science in Microelectronic Physics

May 2016 Minor in Mathematics

Salisbury University Salisbury, MD

Curriculum 3.6 GPA; Computer Architecture; Analog Electronics; Digital Electronics

Highlights 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