

Stephanie Kirtiadi

Mountain View, CA

e: cmdrtorefresh@gmail.com

www: cmdrtorefresh.comxa.com

github: <https://github.com/cmdrtorefresh>

Portfolio

Command + R to Refresh

<http://www.cmdrtorefresh.comxa.com>

Created personal portfolio website entirely from scratch. Used several front-end tools such as HTML / CSS, SASS, jQuery, AngularJS.

Yumba, Swift

<http://cmdrtorefresh.blogspot.com/2016/07/yumba-ios-tango-app.html>

Used Google Firebase SDK for database and authentication, and Google Maps API for Forward Geocoding. Implemented Google Maps SDK for iOS system to present a familiar UI. I wrote this app to give tango dancers valuable information on where and when they can dance, while making use of location and time information available on mobile devices. Yumba is named after a signature sound of a famous tango orchestrator.

Pandemic, Ruby

<https://github.com/cmdrtorefresh/pandemic>

Wrote command line version of Pandemic, so I could play it on a long train ride without packing the board. Constructed graph data structure to represent cities in the game. Started from scratch to understand the programming process from square one.

Command + R To Refresh Blog

<https://cmdrtorefresh.blogspot.com>

Documented learning process on a variety of projects and exercises. Became useful for me to review my progress, practice talking about programming, and share my enthusiasm for my projects.

Udacity iOS Development Nanodegree

Working towards Udacity Nanodegree to explore various frameworks and to learn more about storage options on mobile devices, so users are not so reliant on access to networks.

Skills

Computer Language: Ruby, Swift, Javascript, Python.

Front End: HTML, CSS, SASS, AngularJS, jQuery.

Database: PostgreSQL, Google Firebase.

Version Control: Git (Github).

Human Language: English, Indonesian.

Work Experience

Application and Process Engineer, Thermal Desalination and Industrial Concentration

Aquatech International Corporation

Hartland, WI, USA - July 2008 – November 2015

Estimated project plans for major desalination plants to reduce industrial waste, increase water reuse and availability in water-tight regions. Spec'ed plant control system to ensure safe continuous operation. Negotiated with clients and vendors to meet their needs for the project within their budgets. Developed tools to automate common project computations such as sizing and costing of materials.

Education

University of Wisconsin Madison

Bachelor of Science, Chemical Engineering, May 2008.

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