Ramsey Barghouti

Data Scientist | Web Developer | Programmer

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Languages
C/C++
Java
SQL
Objective-C (iOS)
Python
Javascript
Matlab

Current Position *(2013 - Present)* Data Scientist, PowerAdvocate
Assist in data analysis, architect & build analyst tools and systems with some of the various technologies listed below.

Database Technologies
MySQL | Hibernate | Django
MongoDB | Mongoose

Frameworks, Platforms, & Technologies
Each category listed in order of proficiency

Web
Django | D3JS | AngularJS | ExpressJS
Twitter Bootstrap
ExtJS

Application Platforms
Spring | NodeJS | Django
Android SDK | iOS SDK

Data Science
SciPy | SkLearn | Pandas
OpenNLP | NLTK (Natural Language Tool Kit)

Also familiar with
Amazon Web Services, Google Web Services, Heroku, OpenShift, Git, SVN

Previous Work History
2013 Computer Lab Assistant, Heartland Community College – Bloomington, IL
Network Troubleshooting, IT assistance, Tutoring

2008 - 2012 ESL Instructor, Multiple Institutions – Seoul, South Korea
Developed creative learning activities with students ages 8-12; conversation workshops with adult students

Education
2012 - 2013 Heartland Community College Computer Science Program - Bloomington, IL
2003 Bachelors of Arts - Fine Arts - Illinois College, Jacksonville, IL

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Recent Projects

Data Aggrigation

Django
MySQL
Pandas

April - May 2015

Built system to merge large company dataset.
- 150 million data points across
- 40 clients
- 60 formats

Prototyping

Sci-Kit Learn
Pandas
Django
MySQL
Bootstrap
AngularJS

January - March 2015

Prototyped different systems to assist in further business process automation.
- Automation QA system
- Custom data cleansing tools

Automation

MySQL
Spring
Hibernate
JSP
ExtJS
Apache Tomcat

March - December 2014

Built business process automation system.
- Merged client dataset to increase efficiency of customer facing analysts
- Reduced worker time overhead by %10 - %20
- Improved company insight into current dataset value

Data Mining

Python
NLTK

November, 2013 - February 2014

Performed custom data mining for client data
- Constructed a synonym set from customer dataset