Rohit Karki

New York, NY

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Project/Experience:

York College Summer Research Program : Propagation of Influence in a Network

May 2015 - PRESENT

Python,Sqlite3,json,matplotlib

- Worked closely with mentor /professor to develop the metric/equation to calculate "influence".
- Parse crude dataset and populate in database.
- Design efficient database schema.
- Design algorithm to query database and calculate "influence" of each node from retrieved data.
- Designed algorithm to query database to run graphical and statistical analysis i.e. pdf, histogram etc.
–Source: https://github.com/rkarkicodes/Social-Influence

Android Development Workshop by Google.

October 2015 – November 2015

Java, Android SDK

- Participated in 5 weeks long Android educational workshop organized by Google.
- Worked on weekly challenges and assignments in groups.

Duncan Trussell Family Hour Podcast on Android

May 2015

Python, Kivy, json, Android SDK

- Displays the podcast episodes with relevant pictures and information.
- Streams podcast audio from corresponding web link.
- Wrote an efficient web scraper to retrieve and manage data from the podcast website.
- Designed intuitive user interface and efficient audio player.
- Source and Screenshots: https://github.com/rkarkicodes/DTFH-on-Android

Water Jug Puzzle Solver

March 2015

Python, Kivy,json

- Developed an intelligent system that presents step by step solution to water jug puzzle.
- Developed an efficient design and core algorithm implementing breadth first search algorithm.
- Used Kivy framework and python to build appealing graphical interface and intuitive user experience.
- Winner of "Solving puzzles with Machine" at York College Annual Math and CS week.
-Source and Screenshots: https://github.com/rkarkicodes/Water-Jug-Puzzle-Solver

Education:

City University of New York: York College

Bachelors of Science in Computer Science 2016 – GPA: 3.31

Languages:
-Python
-C++

Prior Experience
-Java
-Javascript
-HTML/Xml/ CSS

Frameworks:
-Kivy

Prior Experience
-Android SDK
-Bootstrap
-MVC
-REST
-jquery

Tools:
-Git
-Unix
-Py Charm
-Sublime Text
-Photoshop