Samar Sajnani

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Skills

Linux: In-depth analysis of packages, research on disk usage, logging, scripting, and creating installer executables

GoLang: Currently working on developing a command line tool for the Data Platform mentioned below

JavaScript: Using React, Node JS and Postgres for Life Vector along with React Native and Electron for FaStack

Python: Created an automated build, installation, validation and testing framework and a cryptocurrency bot

Java: 3D Hologram Snake Game – Created a snake game using the peppers' ghost illusion (Harvard University)

Projects

FaStack Mobile and Desktop Application **Mar. 2018 – Present**

- Daily stack that allows users to context switch and prioritize daily tasks
- Using React Native to create the mobile application and electron for the desktop application
- Using github to store the daily stack in a private repository or encrypted public repository

Capacity Web Application (Western University) **Jan. 2017 – April 2017**

- Used for estimating the number of people at a location with Google Maps API and location services
- The front-end uses Angular 2.0 and the back-end uses MySQL along with Groovy on Grails

Life Vector Time-Management Mobile Application (Western University) **Nov. 2016 – Present**

- An application that takes location data and computes vectors based on a persons' home location
- Android Studio and SDK tools with graph-based Prim-Jarniks' and Djikstras' algorithms

Education

Expected 2019

BSc Honours Specialization Bioinformatics/Computer Science - Western University

- 3.95 out of 4.0 Computer Science Grade Point Average

BMSc Honours Specialization Biochemistry – Western University (3.6 Grade Point Average) **Received 2016**

Experience

IBM Watson Data Platform Private Cloud Intern **May. 2017 - Present**

- Approximately 900 contributions on IBM's enterprise github as of now
- Developed the SMTP framework for the dashboard team and the UI installer for the product
- Led the JDBC and HDFS client function effort for obtaining dataframes in Python, R, and Scala
- Improved CI/CD by 50%+: created an automated framework for provisioning, installing and testing
- Worked on Ubuntu support for the cloud platform and bash scripting for installer components

Machine Learning Research - Classifying Health Related Twitter Data **Oct. 2016 – April 2017**

- Individuals tweeting are classified with an accuracy of about 65%
- Increasing accuracy using convoluted neural network algorithms with Scikit on Python

Victoria Hospital Volunteer (London Health Sciences Center) **Jan. 2016 – April 2017**

- Critical care trauma center volunteer (2017) and perioperative care volunteer (2016)

Development of a Fluorescence-Based Cancer Biosensor (Biochemistry Thesis) **May. – Aug. 2014**

- Dr. David Litchfield, the chair of the Biochemistry Department, directed the research project