Sabbir Ahmed

Greenbelt, MD | sabbir0ahmed0@gmail.com | sabbirsphere.com

Education

University of Maryland, Baltimore County
May, 2018 (Expected)

Major: Computer Engineering (Communications Track)
Minor: Applied Mathematics

General Assembly, D.C.
July, 2016

Certificate: Data Science

Skills

Languages
Engineering / Mathematical IDEs
Web Frameworks

Python, JavaScript, C/C++, Bash, R
MATLAB, Arduino, Mathematica
Django, Flask, AngularJS

Experience

Web Data Analyst
Baltimore Neighborhood Indicators Alliance
September, 2016 - Current

- Cross-compiled Python web applications to provide users with user friendly standalone executables
- Developed APIs to extract unstructured data from public and internal websites and PostgreSQL databases
- Manipulated data to be integrated across multiple platforms for geographical information systems

IT Specialist Trainee
U.S. Department of Labor, Bureau of Labor Statistics
May, 2016 - February, 2017

- Developed prototypes of internal report generation systems to present more efficient approaches
- Contributed to an internal job submission system through developing the appearance and functionality of screens of the user interface
- Debugged Bash scripts that were being tested for their functionalities after being continuously migrated from UNIX environments to Linux

Technical Specialist Student Assistant
University of Maryland, Baltimore County
August, 2015 - Current

- Designed software programs to automatically generate financial reports from confidential systems
- Provide technical assistance throughout the office

Web Developer
AD&C Management Co.
May, 2015 - August, 2015

- Created a website with functional user-friendly forms for clients to communicate securely
- Maintained Oracle schemas for the financial transactions for the organization

Projects | GitHub: kug3lblitz

Sphere, January, 2017

- Constructed an iOS app that uses image recognition to recognize users' faces and charity organization logos to make micro-transactions

Close Crawl, Ongoing

- Cross-compiled a standalone Flask web application with user friendly interfaces to scrape foreclosure cases in the city of Baltimore
- Configured to continuously crawl for new case data made available and query to update PostgreSQL databases

Heat Replay, July, 2016

- Built an accurate model using NLTK and scikit-learn that predicts a song's popularity based on its lyrical content
- Created the dataset by merging the 280 GB Million Song Dataset with text data scraped and cleaned from MetroLyrics with a self-made API

Major Way, January, 2016
General Assembly:
Best Education Hack

- Developed a web application that predicted the discipline of the user's school curriculums
- Generated statistical distributions on the content and subfields of the discipline