Sabbir Ahmed

sabbirsphere.com • sabbir0ahmed0@gmail.com

EDUCATION

UNIVERSITY OF MARYLAND BALTIMORE COUNTY | Expected: May 2018
BSc. in Computer Engineering | Communications Track • Minor: Applied Mathematics

GENERAL ASSEMBLY | July 2016
Certificate in Data Science

SKILLS

LANGUAGES
Programming
Python • C/C++ • JavaScript • Shell • R • Assembly
Markup
HTML/CSS • Markdown • LaTex

ENGINEERING TOOLS
IDEs
MATLAB • Arduino • Mathematica
Hardware
VHDL • Verilog

EXPERIENCE

BOOZ ALLEN HAMILTON
Cyber Intern | June 2017 – Present | Columbia, MD
- Developed modules to parse and transform network packets to determine the presence of malware
- Created a Flask application to provide a convenient API to pure C-based backend modules

BALTIMORE NEIGHBORHOOD INDICATORS ALLIANCE
Web Data Analyst | September 2016 – June 2017 | Baltimore, MD
- 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

U.S. DEPARTMENT OF LABOR, BUREAU OF LABOR STATISTICS
IT Specialist Trainee (GS-04) | May 2016 – February 2017 | Washington, D.C
- Developed prototypes of internal report generation systems to present more efficient approaches
- Contributed to an internal job submission system through developing the user interface

UNIVERSITY OF MARYLAND BALTIMORE COUNTY
Technical Support Student Employee | August 2015 – Present | Baltimore, MD
- Maintain the departmental website and database and provide technical assistance to all the systems in the office

AD&C MANAGEMENT CO
Web Developer | May 2015 – August 2015 | Greenbelt, MD
- Created and managed websites for clients to communicate securely

PROJECTS | GitHub: sabbirahm3d

GALOIS FIELD ARITHMETIC UNIT | University of Maryland Baltimore County | Current
Led a senior capstone team to build an arithmetic logic unit to perform finite field term generations and operations

HIGHLITE | September 2017
Developed a command line tool that builds text corpora from collections of files or scraped website contents to analyze any input document for their cosine similarity and other features

CLOSE CRAWL | Baltimore Neighborhood Indicators Alliance | July 2017
Cross-compiled a standalone Flask web application with user friendly interfaces to continuously scrape foreclosure cases in the city of Baltimore

MAJOR WAY | Georgetown University Hoya Hacks | January 2016
Winner of Best Education Hack • Built a web application that predicted the discipline of the user's school curriculums