TAHMID EFAZ

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EDUCATION

Berea College
B.A. Computer Science
Expected Graduation: May 2019
Relevant courses: Data Structures, Software Design and Implementation, Computer Networking, Programming Languages, Database Systems, Calculus I, Calculus II, Discrete Mathematics, Software Engineering, Data Analytics (Machine Learning), Computational Intelligence (currently enrolled)

EXPERIENCE

Student Software Developer, Berea College, Berea, Kentucky — Aug 2017 - Current
- Utilize the Agile development methodology to design and develop web applications used by more than 300 faculty and 1600 students
- Improve efficiency and usability of applications used by faculty, staff, and students

Research Intern, University of North Carolina at Charlotte, North Carolina — May 2017 - Jul 2017
- Utilized the NVIDIA CUDA framework to develop parallel applications for the GPU
- Improved runtime of sophisticated 3D mapping algorithms by 50 - 75 times (from 4 hours to 3.5 minutes) by making them highly parallel using the CUDA framework

Computer Science Teaching Assistant, Berea College, Berea, Kentucky — Aug 2016 - Current
- Assist students in the evening lab to enable them to successfully solve homework problems
- Cooperate with faculty in managing a class and grade class assignments

OPEN SOURCE CONTRIBUTION

Mozilla Firefox Developer Tools
Fixed one accessibility issue in the Firefox Debugger that facilitates the screen reader in describing results from file search.

PROJECTS

Greenaive
An application to help the user determine if an object should go to the recycle, trash or compost bin. It asks the user to take a picture of the item and uses image recognition and machine learning to decide the right bin for the object. Completed in less than 6 hours. Won "Best Sustainability Oriented Project" at BCHacks 2017. Project link: http://greenaive.co. [Python, Flask, Machine Learning, Heroku]

Sentiment Dashboard
A web application that uses Machine Learning to analyze Sentiment on tweets or files of user's choice and visualizes the measured sentiment using charts. It can understand 103 different languages. Project link: sentiment-dashboard.herokuapp.com. [Machine Learning, Sentiment Analysis, Python, JavaScript, Flask, Twitter API, Chart.js, Heroku]

Earthquake bot
A bot that posts real-time earthquake alerts on Twitter (@GlobalQuakeBot) and shows a Map of the location of the epicenter. Receives over 100K organic impressions per month. [Python, USGS API, Twitter API, Google Maps API, Google Cloud Platform]

Web Development
Led a team of four on a web development project for the Madison County Health Department to help them with storing and visualizing survey responses [MySQL, PHP, HTML, CSS, Bootstrap, JavaScript, Google Charts API]

TECHNICAL SKILLS

Languages: Python (most comfortable), C++, JavaScript, R (Data Analysis)
Web Technologies: HTML, CSS, Flask, Bootstrap, React (basics)
Database Technologies: SQL, MongoDB
Other Technologies: Git, Linux, Command Line, Google Cloud

AWARDS & ACHIEVEMENTS

MLH Hackathon Organizer
Helped organize MLH sponsored BCHacks 2017 Hackathon (Local Hack Day) at Berea College

Berea Tuition Promise Scholarship
Scholarship to waive tuition and board for 4 years of college

Berea College Dean's list Spring 2017
Awarded to students who attained a term GPA of 3.4 or more