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 (currently enrolled), Data Analytics (Machine Learning, currently enrolled)

▶ EXPERIENCE

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

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

Research Intern, University of North Carolina at Charlotte, 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 by making them highly parallel using the CUDA framework

▶ PROJECTS

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. 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]

Book-Lookup
Implemented a simple web crawler to get information about a book when the ISBN number of the book is provided [Python]

Racket Image Gallery
Simple Image Gallery implemented using Racket, a Lisp variant programming Language. [Racket]

Word Guesser
A word guessing game that is 100% right all the time. Uses an algorithm to trick the player into giving away the answer. Code available on GitHub. [Python]

▶ TECHNICAL SKILLS

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

▶ AWARDS & ACHIEVEMENTS

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

Hackathon Participations
2016 - 2017

Tapia Conference Participation
Atlanta, 2017