

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

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

► 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. 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]

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