

# 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](https://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. 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

### Tapia Conference participation

Atlanta, 2017

### Hackathon Participations

2016 - 2017