

EDUCATION

Bachelor of Arts in Computer Science and Mathematics

Expected Graduation: May 2018

Berea College, Berea, KY

- GPA 3.85, Dean's List Recipient for Fall 2014 - Spring 2016
- Course Highlights: Software Design & Implementation, Data Structures, Computational Complexity, Linear Algebra, Software Engineering, Computational Intelligence

SKILLS AND ABILITIES

- **Programming Languages:** Python, C/C++, Ruby, JavaScript
- **Web Skills:** HTML, CSS, Flask, Angular 2, PHP, jQuery
- **Others:** SQL, Linux, Git, MATLAB, RESTful API
- **Foreign Languages:** Bengali, Hindi

WORK EXPERIENCE

Co-Lead Teaching Assistant - Data Structures

May 2016 – Present

Berea College Computer Science, Instructor: Dr. Jan Pearce

- Manage a team of 18 Teaching Assistants and organize weekly departmental meetings
- Assist faculty in managing data structures course and tutor students in the weekly lab for a class of 53 students

Student Programmer

August 2015 – Present

Berea College Computer Science | Berea College, Berea, KY

- Design and develop 3 web applications used by 1600+ students and 300+ faculty and staff at Berea College working within a team of 8 students to make administrative workflow more efficient and reduce costs by \$20,000
- Maintain systems and resolved 3+ issues per week on 3 live web applications

Software Developer Intern

May 2016 – July 2016

Interapt | Louisville, KY

- Built the client-side of a single-page web application to handle employee information more securely using Angular 2 framework by creating user access control, and reducing human errors.
- Facilitated a team of 5 designers and developers for making software design decisions using agile methodology

TECHNICAL EXPERIENCE

Projects

- **Universify (2016).** A StackOverflow-esque Q&A forum for university students to get help in their coursework that won 2nd place at Derbyhacks Hackathon with a team of 4 hackers. [*REST API in Python(Flask)*, *Client-side in Angular 2*]
- **Genetic Algorithm Project (2016).** Implemented a fully working Genetic Algorithm and designed a healthy meal generator application using the Genetic Algorithm. [*C++*]

Open Source Contributions

- **OctoPrint(2015).** Resolved two issues for OctoPrint, an open source web-based host for RepRap printers.

COMMUNITY ENGAGEMENT

University Innovation Fellowship | Epicenter, NSF, Stanford University and VentureWell

February 2016 – Present

- One of 607 fellows nationwide helping college students develop an entrepreneurial mindset and creative confidence by organizing workshops to teach Design Thinking, Prototyping etc.

Entrepreneurship for the Public Good | Berea College

May 2015 – June 2015

- Collaborated with local activist, civic leaders and the Tourism Commission to achieve the city of Berea Trail Town Certification by assessing the feasibility of advancing adventure tourism
- Conducted workshop of 20+ students teaching them the Business Model Canvas and the Lean Startup Process

HONORS AND AWARDS

- **Ballard-McConnell-Willis Mathematics Scholarship.** Awarded \$10,000 worth scholarship for excellence in Mathematics, out of 300 students in the junior class.
- **EducationUSA Opportunity Fund (2014).** One of the 5 students in Bangladesh awarded \$2,300 scholarship to study in the United States.

