Leelabari Fulbel

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Education

Iowa State University, B.S. **Software Engineering**, Honors Program, GPA: **3.87/4.00**   **Aug 2015 –** (expected) **May 2019**

George Washington Carver Scholar, awarded a full tuition ride given to 100 incoming freshmen per year

   Relevant Coursework: Intro to Object Oriented Programming with Java, Honors Classical Physics I, Differential Equations, Intro to Programming with C, Calculus II, and AP Computer Science

Experience

Web Developer at the **Office of Student Financial Aid**   **Oct 2015 – Present**

- Run Iowa State University's Office of Student Financial Aid's websites and intranet as part of a team of 3 students
- Work includes web design, database management, application development and maintenance, and troubleshooting
- Utilize JavaScript frameworks such as jQuery, Marionette, and Knockout for web design in a LAMP stack
- Creating a feature with PHP and MySQL so counselors can add, remove, and replace policy files in the intranet site

Undergraduate Research Assistant in the **Department of Computer Science**, Honors Mentor Program   **Jan 2016 – Present**

- Researched several topics concerning computer science and presented findings to a research group regularly
- Creating an application for Candoia.org, a repository analysis tool created by Professor Rajan Hridesh's team, that will use HTML/CSS, JavaScript and the Boa query language

Google Computer Science Summer Institute – Participant   **Jul 2015 – Aug 2015**

- Selected as 1 of 60 students from across the country and Canada for an intensive web application course
- Created a web application called "CandiData" with two other students with HTML, CSS, and Python deployed through Google App Engine that used regular expressions for HTML parsing

Student Tech Aid, Central Campus High School – Volunteer   **Sep 2014 – Apr 2015**

- Helped teachers and students with computer, printer, and/or internet issues
- Managed an intranet for four classes as part of a team of 4 seniors using Active Directory on Windows 2012 server

Achievements

- AP Scholar with Distinction (CollegeBoard)
- Academic All-American (NFL – Debate)
- 7th seed at the University of Iowa's Lincoln-Douglas Debate State Tournament, Quarterfinalist – HSchool
- 2nd place team at the University of Platteville, Minnesota's Mathematics Competition – HSchool
- 2015 National Action Council for Minorities in Engineering Pre-Engineering Scholar
- 5th seed team at the ISU Fall 2015 CDC

Activities and Organizations

- Web Development Club (**Vice President, 2016**)
- Information Assurance Student Group
- Fall 2015 ISU Cyber Defense Competition (CDC)
- Freshman Leaders in Engineering
- National Society of Black Engineers
- Volunteer for First Lego League as a "Team Helper"
- Volunteer for "Computational Thinking" – A service to get K-12 students interested in programming by learning "Scratch"

Projects (all code is available on my GitHub)

HackISU Fall 2015 – CLMapps – a web application that uses OpenWeatherMap's and Yelp's APIs so users can search for a city to see a list of businesses and weather conditions. We worked in a team of four; my role was mostly backend. I wrote most of the python and JSON and got the APIs working.

Google CSSI – CandiData – a web application that allows users to create accounts and complete a political survey then check which presidential candidates for the 2016 election complimented their views the best. We automated parsing through profiles on OnTheIssues.com to get information about candidates instead of hard coding it.

Skills

Website Development:

- Proficient with HTML/CSS
- Basic with JavaScript (familiar with JSON, Marionette, & jQuery)

Programming:

- Intermediate with Python
- Basic with C
- Basic with Java

Network and Database Management:

- Familiar with HeidiSQL, Active Directory on Windows 2012 server, Google App Engine, and WinSCP
- Basic with PHP and MySQL

Languages: Elementary proficiency in French