

Uma Abu

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OBJECTIVE

Seeking to develop practical programming skills and gain professional experience working with real-world application of software engineering through an internship available summer 2018.

EDUCATION

Iowa State University, Ames, IA

Bachelor of Science in Software Engineering; Exp. Graduation: **Fall 2019**

GPA: **3.20/4.00**, Major GPA: **4.00/4.00**

EXPERIENCE

Department of Civil, Construction and Environmental Engineering – Ames, Iowa

Student Web Developer – September 2017 – Present

- Redesigned department's web pages using Bootstrap making it dynamic and responsive.
- Created dynamic web pages from wire frames.
- Reorganized contents of the old websites for easy accessibility.
- Collaborated with the department's communications specialist to update current web pages

Natural Resource Ecology Management (NREM) – Ames, Iowa

Software Development Intern – NREM Lab – May 2017 – August 2017

- Designed user interface to enhance user experience for a web-based teaching application – PEWI.
- Developed a "first person camera feature" using three.js to make the application interesting for users.
- Presented PEWI at conferences and taught teachers how they can use the application in their classes.
- Collaborated with a team to release new program used as a teaching tool at Iowa State University.

Department of Residence – Ames, Iowa

Community Adviser, Wallace Residence Hall – August 2017 - Present

- Oversee accommodation arrangement for 56 students and culture a stable living environment.
- Develop educational and community building programs for student wellness and development.
- Participate in leadership conferences, crisis management training and employee development.

ACTIVITIES

CSGS Hack – ISU ChatBot (Python, Web-Scraping) – Spring 2018

- Wrote python scripts that scraped information from Iowa State University web pages for ISU ChatBot – A virtual assistant that answers questions from new ISU students and visitors.

HACKISU – Android App Development (Java, Android Studio, Firebase) – Fall 2017

- Used firebase set up database to store user information for the Holding Hand – A simple quick and effective app for automated emergency notice.

Engineering the Future – NSBE@ISU

- Volunteer at Ames middle school to promote STEM through educational activities throughout the year.

LEADERSHIP

• National Society of Black Engineers (NSBE) (Spring 2015 – Present)

Senator – Facilitate partnership with other STEM student organizations and represent the NSBE@ISU chapter at regional and national conferences during elections.

• African Students Association (Spring 2015 – Present)

Telecommunications Chair – Maintain and update the organizations website and social media accounts leading to high publicity for events.

AWARDS

- **College of Engineering Deans List:** Fall 2016, Spring 2017, Fall 2017.
- **ASA Outstanding student of the year Award** – Fall 2016
- **Global Academic Award** - Iowa State University – Fall 2017, Spring 2017.

SKILLS AND COMPETENCIES

- Java, Python, JavaScript, HTML, CSS, Swift, Git, WordPress, Android Studio, MATLAB, Microsoft Office.