

# UMA ABU

## OBJECTIVE

Seeking to develop practical programming skills and gain professional experience working with real-world application of software engineering through an internship available Summer 2019.

## CONTACT

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Ames, 50010, IA

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## SKILLS

**Languages:** Java, JavaScript, Python, Swift, C#, C++, HTML, CSS

### Frameworks/Databases/Libraries:

Git, Angular, Node.js, MongoDB, Firebase, Android Studio, iOS, WordPress, Linux

## LEADERSHIP & AWARDS

- **Resident Assistant- Department of Residence, Iowa State** (Fall 2017 – Present)
- **Senator - National Society of Black Engineers (NSBE)** (Fall 2017 – Spring 2018)
- **Telecommunications Chair - African Students Association** (Fall 2017 – Spring 2018)
- **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.

## EDUCATION

**Iowa State University, Ames, Iowa**

**Bachelor of Science in Software Engineering**

Graduation – **December 2019**

GPA – **3.20/4.00**, Major GPA – **4.00/4.00**

## WORK EXPERIENCE

### **Rockwell Automation (Milwaukee, WI) - Software Engineering Intern**

*May 2018 – August 2018*

- Developed setup wizards' software on industrial drives.
- Migrated data from setup wizards to physical drives as setup parameters.
- Visualized data from drives to interface module for easy comprehension and understanding
- Created a MEAN application used to keep track of availability of over 60 industrial drives and controllers used by engineers for testing purposes.

### **Department of Civil, Construction and Environmental Engineering (Ames Iowa) – Web Developer**

*September 2017 – May 2018*

- Redesigned department's web pages using Bootstrap making it dynamic and responsive.
- Created dynamic web pages from wire frames and reorganized contents of the old websites for easy accessibility.

### **Natural Resource Ecology Management (NREM) (Ames, Iowa) - Software Development Intern**

*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.
- Collaborated with a team to release new program used as a teaching tool at Iowa State University.

## PROJECTS

### **Mouve (IOS, Firebase) – Summer 2018 - Present**

- Developing a social media app

### **Parlor Games (Java, Android Studio) – Spring 2018**

- Developed Android studio application that has multiple games.

### **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.