

Aisha Balogun Mohammed

EXPERIENCE

Software Engineering Intern (Data Products)

Summer 2019

Twitter, Inc., Boulder CO

- ❑ Led Agile Epic with cross-functional teams to develop new filter API for streaming real time tweets.
- ❑ Configured continuous delivery (CD) release engineering pipeline for increasing application deployment confidence by 50% and frequency by 300%.
- ❑ Acquired experience with Scala and Twitter's Libraries (Futures, Modules, Dependency Injection, etc).

Research and Development Intern

Summer 2018

ANSYS, Inc., Concord MA

- ❑ Created MATLAB tool to speed up in-house regression testing by 50% and graphical user interface to show test progress.
- ❑ Simulated and conducted in-depth failure-analysis of 3500+ circuit solver signal integrity simulations.

Research Intern

2017 – Present

College of Engineering & Applied Sciences, Laramie WY

- ❑ Organize and lead Robotics, Computer Vision and Microcontrollers presentations to 500+ people ages 5-65.
- ❑ Serve as a seminar leader to educate 100+ K-12 teachers on the implementation of C, C++ and Python into their school curriculums using Raspberry Pi and Arduino microcontroller.
- ❑ Develop interactive modules for a humanoid robot using Python and Choreographe.

Computer Lab Assistant

2016 – Present

UW Information Technology, Laramie WY

- ❑ Provide support services for 3000+ persons utilizing the UW Academic Student Computing Labs.
- ❑ Gain hands-on experience in problem diagnosis and maintenance of computers.

PROJECTS

Integrated Assembly Systems Simulator (C++)

2018

Implemented a simulator for IAS Assembly language to decode the full set of IAS instructions, which include register operations, jumps, and arithmetic operations with the aid of the fetch execute cycle and regular expressions.

Mobile Platforms (C, C++ and Python)

2017

Engineered graphical user interface and joystick controlled mobile platforms with automatic breaking system using Raspberry Pi and Arduino Microcontroller.

Hash Tree (C++)

2017

Built a hash tree data structure with hashes and binary trees and explored the implementation of data structures in finance and pharmaceutical sectors through Blockchain.

LEADERSHIP

Ellbogen \$50k Entrepreneurship Competition Finalist

2019


- ❑ Co-developed and presented nonprofit business concept that will create and implement practical courses in a format compatible with limitations of developing countries.

Arduino Workshop Lead Facilitator

2019

- ❑ Organized and led 3-day hands on seminar on C and C++ using Arduino Microcontrollers.
- ❑ Fundraised over \$750 for Arduino Microcontroller kits for 30 participants in Ilorin, Nigeria

CONTACT

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EDUCATION

University of Wyoming

BS Computer Engineering

Honors Program & **Computer Science**

3.84/4.0 GPA 🕒 May 2020

TECHNICAL SKILLS

Tools & Technologies

C • C++ • Scala • Python
Java • API • MATLAB • CUDA
Git • Linux • Verilog • Unity

Relevant Coursework

Multicore Programming, Computer Science II (Data Structures), Microprocessors, Computer Organization, Prob. Signals and Systems, Electronics I and II

HONORS

Outstanding Junior 2019
President's List 2016-2018
Outstanding Freshman 2017

INTERESTS

 Learning
 Soccer
 Mentoring
 Photography
 Personal Fitness
 Table Tennis

FUN FACT

Performed a remix of Fresh Prince of Bel-Air theme song at Tau Beta Pi conference.