OSAHUMEN AGHASOMWAN

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PROFILE

Upcoming honors Mathematics graduate with experience in programming and analytics seeking a full time position that provides the opportunity to utilize and grow my education and experience in research, data science, and web/software development.

TECHNICAL SKILLS

- C++
- HTML
- CSS
- SQL
- Graphic Design (Certified)
- Computer hardware repairs (Certified)
- Swift (online class currently)
- Python
- Virtual Reality Dev (Code Pen & A-Frame).
- R

EDUCATION

Huston-Tillotson University   Anticipated graduation May 2019

Bachelor of Science: **Mathematics**

Minor: **Pre-engineering**

GPA: **3.817**

Relevant Coursework:

- Programming I and II
- Software Engineering I
- Statistics
- Probability
- Statistics with R
- Calculus
- Computer Numerical Techniques
- Discrete Mathematics

TECHNICAL EXPERIENCE

Merck Pharmaceuticals   **Data Analytics Intern**   **January 2019 – Present**
- Analyzing over 3000 rows of the Jackson Heart Study Data using algorithms using random forest.
- Computing and interpreting correlation between socioeconomic and environmental factors with cardiovascular diseases.
- Utilizing pandas and NumPy for data manipulation and Matplotlib for data visualization

Texas Commission of Environmental Quality   **Web Dev. Intern**   **Jun 2018 – August 2018**
- Utilized HTML, CSS, Bootstrap to designed, built, and maintained web pages for the water quality division that helped engineers understand rules better.
- Website helped the plans and specification team at TCEQ to review and approve more waste water specification.
- Utilized python for data cleaning, that improved accurate information, resulting to fewer errors for Waste permit team.

Aptronics / Huston-Tillotson University, Robotics Lab   **Research Assistant**   **January 2018 – May 2018**
- Researched and critiqued literature on existing robotics exoskeleton technology, to propose an excellent product, including product design and specification to create a full body exoskeleton for therapy

TMCF - OFC Innovation Summit   **Software Dev. Participant**   **May 2018 & May 2019**
- Utilized Swift to design and developed IOS application platforms
- Created an app that reduced traffic in the emergency room by using image recognition to prescribe treatment for patient.
- Developed a mobile platform that assist college students find jobs with their skills.

NFL - HBCU Battle of The Brains Fellow   **Web Developer participant**   **March 2019**
- Utilized HTML, CSS and Bootstrap 4 (responsiveness) to build the front-end of a website designed to attract millennials to home depot.
- Created a platform that allowed millennials to play NFL trading cards that allows them to have on field players experience.

ACADEMIC ACHIEVEMENTS / AWARDS

Huston-Tillotson University 2nd <div> Hackathon	Winner	March 2016
Dean's List Student		2015 – Present
Honor's Roll Student		2016 – Present
Avery Arthington Scholarship		206 – Present

EXTRACURRICULAR ACTIVITIES / leadership / ORGANIZATION

Opportunity HUB: HBCU SXSW Leadership Cohort	Member	March 2019
Golden Key Honors Society	Public Relation	September 2016 - Present
ISA (International Student Association)	Public Relation	September 2017 – Present
NSBE (National Society of Black Engineers)	Vice President	January 2018 – Present
I-Trek MIT	Summer Research	August 2016 – May 2017
Hack-Houston	Participant	March 2017
My Brother's Keeper Coding Maker's Place	Participant	January 2017 – May 2017
Huston Tillotson University, 3rd <div> Hackathon	Volunteer	January 2017 – March 2017