Charles Mekwunye (US Citizen)

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EDUCATION

- BS Electrical and Computer Engineering GPA: 3.5 (Magna Cum Laude) at Texas Southern University, Houston, TX.
- MS Electrical Engineering at Rice University, Houston, TX.

SKILLS

- Advanced Microsoft Office, Microsoft Excel (Pivot Tables, Macros, V-lookups), Java, C++, MATLAB, Multism, DOSBox, Real-time embedded systems, VLSI design, Applied Cyber-Security

COURSE-WORK

Senior Project 2020

- A Cleaning Robot simulation was made for my group Senior Project. The Robot was programmed to recharge itself and know when to clean. The Robot was powered by electricity and was secured against the malware. It was presented to the class and explained using the codes and simulation. The coding software that we used was Tensorflow. Simulation was ran by Python Mirroring software.

Relevant Courses

- Digital Electronics, Circuit Theory, Analog Electronics/Circuits, Logic Design, Signals & Systems, Sustainable Electric Energy, Verily Hardware Description Language (HDL) & Digital Design.

WORK EXPERIENCE

Mathematics Tutor Texas Southern University Houston   January 2019- May 2020

- Reviewed class material with undergraduate students by discussing text, working solutions to problems and worksheets and other assignments.
- Monitored undergraduate student performance and assisted students in academic environments, such as classrooms, and computing centres.
- Scheduled tutoring appointments with students
- Researched and recommended textbooks, software, equipment, and other learning materials to complement tutoring

Computer Technician Intern Pavilion Trust Ltd Lagos, Nigeria May 2018-August 2018

- Set up and configure computers and peripheral equipment such as printers, scanners.
- Performed audits and tests on computer systems, networks and hardware to ensure it is functioning properly
- Responded to support requests and assisted in troubleshooting any problems that developed
- Simulated and reported technical problems to find appropriate solutions
- Ensured all software and hardware were up-to-date and installed updates as required
- Maintained computer network, system and hardware documentation for colleagues to reference

AWARDS RECEIVED

- Dean's List. College of Science, Engineering and Technology   August 2017 – May 2021
- Houston Engineers Week Student Awards   May 2021