

# TOBENNA W. UZUEGBUNAM

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## EDUCATION

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Texas A & M University, College Station, Texas May 2020  
Bachelor of Science in Electrical Engineering Cumulative GPR 3.5/4.0  
Electrical Engineering Honors Student

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## RELEVANT EXPERIENCE

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UNDERGRADUATE RESEARCH FACILITATED BY NASA ENGINEER August 2017 - Present

*Texas A & M College of Engineering, College Station, Texas.*

- Transforms solar system, surrounding planets and various spacecraft into a virtual reality "sandbox" environment Utilizes
- Unreal engine and Blender to design static meshes that meet NASA's specification
- Tests and modifies Virtual reality "sandbox" to enhance the conceptualized environment

CRISIS RESPONSE TO VEHICLE PROJECT January 2017 - May 2017

*Texas A & M College of Engineering, College Station, Texas.*

- Created a wirelessly controlled four-wheeled robot with the use of a launchpad provided by Texas Instruments
- Focused on the effective transfer of electricity and used valuable techniques to resolve miscalculations during construction and assembly
- Used the robot to collect information such as video, temperature, and light intensity

ENVIRONMENTAL FACILITY ESTABLISHMENT June 2015 - July 2015

*African Leadership Academy, Johannesburg, South Africa.*

- Lead team to develop methods of generating money and food for non-profit organization, Soweto Kipling Youth, that facilitates abandoned children
- Innovated "sand sacks" for planting food crops
- Trained the supervisors of Soweto Kipling Youth on how to maintain the development of "sand sacks"

SKILLS: C++, Energia, Clion, Matlab, Solidworks, Unreal, Microsoft Office, French, Native language(Igbo)

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## WORK EXPERIENCE

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RESIDENT ADVISOR January 2017 - Present

*Texas A & M University, College Station, Texas*

- Serve as a mentor to undergraduate students and provides advising to assist with personal and academic issues
- Makes hall programs and activities in residential areas to encourage diversity and increase students' awareness
- Supervises 101 residents and built a successful community

TECHNICAL SUPPORT May 2015, May 2016 - July 2016

*Momsi Porthrcourt, River state, Nigeria.*

- Monitored and maintained workplace technology.
- Collaborated with sales staff to find marketing strategies that make sales more effective through online transactions  
Designed website with Wix and uploaded inventory to the website for online commerce
- Gained essential knowledge of marketing

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## ACTIVITIES

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Engineering Mentorship Council (EMC) October 2017 - Present

PR / Recruitment

*Texas A & M University, College Station, Texas.*

- Use forms of media and communication to build and maintain the population of our new organization Increased diversity in this new organization by 3%

Discover Explore and Enjoy Physics(DEEP)

September 2016 - May 2017

*Texas A & M University, College Station, Texas.*

- Work with peers and professors on research, concept, design, and fabrication of science demonstration experiments.

The Big Event

March 2016

*Texas A & M University, College Station, Texas.*

Garden and trimmed bushes for the elderly as part of the Texas A & M's community-wide service project.

African Student Association(ASA)

August 2016 - Present

*Texas A & M University, College Station, Texas.*

National Society of Black Engineers and Discover(NSBE)

August 2016 - Present *Texas A & M University, College Station,*

*Texas.*