

KENECHUKWU EZEIFE MEELU

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EDUCATION

New York University Abu Dhabi, Abu Dhabi, United Arab Emirates May 2023

- Bachelor of Science in Mechanical Engineering, Current GPA: 3.957
- Relevant Coursework: Foundations of Science 1 & 2, Multivariable Calculus, Design & Innovation, Markets, Computer Programming for Engineers.

PROJECTS

Overhead Neon Light, **New York University Abu Dhabi**, United Arab Emirates March 2020

- Built a display light from an Arduino Pro Mini chip and 16 LED neopixel ring.
- Programmed display light to alternate colors and brightness using C++ language.

TurtleBot Landscape Orientation, **New York University Abu Dhabi**, United Arab Emirates March 2020

- Assisted in a Capstone Project that involved simultaneous localization and mapping through obstacle detection.
- Assembled and controlled a TurtleBot robot using Robot Operating Software (ROS) language and VNC viewer software.

Light Rapper, **New York University Abu Dhabi**, United Arab Emirates January 2020

- Collaborated with other group members to design the software and enclosure for five light-up knocker prototypes to aid people with hearing defects.
- Utilized online electronic design automation tool (EasyEDA) to create a customized PCB for the project.

Fire Drill Simulator, **New York University Abu Dhabi**. November 2019 - December 2019

- Designed a virtual simulation for fire drill training in schools and offices with two other team members.
- Utilized Unity 3D and C programming to design virtual environment for simulation.
- Employed Oculus Rift technology (Headset and Touch Controllers) for user interaction.

EXPERIENCE

Volunteer, **Friends of the Disabled**, Lagos, Nigeria. July 2018 – Aug 2018

- Assisted the staff to teach the people of determination various occupational trades like welding, tailoring, shoe-making, fish-farming, and crop production.
- Taught the people of determination fundamental English, Mathematics and Science.
- Engaged personally with the people of determination to foster bonds amongst the children and adults.

Intern, **Arup Group Limited**, Lagos, Nigeria. June 2016 – July 2016

- Assisted the structural engineers by labelling building plans with AutoCAD application.
- Handled inquiries from visitors regarding how to navigate the firm building.

AWARDS/ACCOMPLISHMENTS

- *3rd Place*, Interswitch Innovation Challenge (National Level). September 2018
- *Finalist*, Interswitch SPAK Science Competition (National Level). September 2018
- *2nd Place*, Nigerian National Petroleum Corporation Science Competition (State Level). February 2018
- *3rd Place*, Chemical Society of Nigeria Chemistry Competition (State Level). March 2018
- *1st Place*, Junior Mathematics Olympiad Qualifying Round (National Level). February 2016
- *2nd Place*, National Consumer Safety Club Secondary School Competition (State Level). October 2015

SKILLS

Technical/Computer Skills: Scientific Recording and Writing; Arduino; Machine Learning; C++ (Advanced); HTML/CSS (Advanced); Stata (Advanced); MS Excel (Advanced); Python (Intermediate); Fusion 360 (Intermediate); Unity (Intermediate).