

# 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: 3.97
- Relevant Coursework: Foundations of Science 1 & 2, Multivariable Calculus, Design & Innovation, Markets, Computer Programming for Engineers, Linear Algebra, Ordinary Differential Equation.

## EXPERIENCE

*Residential Assistant*, **New York University Abu Dhabi**, United Arab Emirates August 2020 - Present

- Engage in active and passive event programming to provide a conducive residential environment for my eighteen residents.
- Solve disputes and problems amongst students personally or by referring to appropriate university resource.

*Mentor*, **College Admissions Mentors For Africa**, United Arab Emirates August 2020 - Present

- Introduce prospective college applicants across the African continent to a chance of higher education in an international setting.
- Equip high school students with skills to tackle college entrance examinations like SAT, PSAT, TOEFL.
- Assist African high school students with additional college application parts such as college choices and essay writing.

*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.

## PROJECTS

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

- Assisted in a 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

- Utilized online electronic design automation tool (Easy EDA) to create a customized PCB for five light-up knocker prototypes to aid people with hearing defects.
- Programmed LED light to alternate colors and brightness using C programming language.

*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.

## AWARDS/ACCOMPLISHMENTS

- 2nd Best in Nigeria, 2019 West African Senior School Certificate Examination. December 2020
- *Finalist*, Interswitch SPAK Science Competition (National Level). September 2018
- *2nd Place*, Nigerian National Petroleum Corporation Science Competition (State Level). February 2018

## 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).