

KENECHUKWU EZEIFE MEELU

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EDUCATION

New York University Abu Dhabi, Abu Dhabi, United Arab Emirates **Exp Grad: May 2023**

- **Bachelor of Science in Mechanical Engineering, Economics (Minor)**
- **Current GPA: 3.99/4.0**

RELATED WORK EXPERIENCE

Modelling and Analysis of Dynamical Systems, NYU Abu Dhabi, UAE **Aug 2022 – Dec 2022**

Teaching Assistant

- Graded weekly assignments and quizzes for a class of 16 third-year Mechanical Engineering students.
- Provided regular feedback on graded assessments to explain errors to the students.
- Maintained an open channel for students to seek help with confusing topics from lectures.

Solar Ship Inc., Toronto, Canada **May 2022 – Aug 2022**

Remote Engineering Design Intern

Link: <https://sites.google.com/nyu.edu/peacesavinglives/project>

- Researched the use of solar-powered hybrid UAVs to tackle food insecurity in Arusha, Tanzania.
- Identified the points of needs and regions of agricultural surplus in Arusha to plot accurate flight routes.
- Drafted technical requirements for feasible operation, while considering climate and geography.
- Presented solution to chief executives of Solar Ship Inc. with comprehensive Electronic Press Kit.

NYUAD iGEM Competition Team, United Arab Emirates **Mar 2021 - Mar 2022**

Team Member

- Collaborated with staff and student members to design a Point of Care (POC) device to detect fungal infections in amphibians.
- Modified device to reduce flow time needed in lateral flow assays while maintaining accuracy of results.
- Recorded observations in group's Notion page for easy referral and collaboration.
- Researched relevant parts and chemicals to purchase and use in the POC device.

Student Affairs Office, NYU Abu Dhabi, UAE **Aug 2020 – May 2023**

Resident Assistant

- Managed resources and allocated finances to host events for a residential community of over 450 students.
- Drafted reports on the general state of campus facilities as well as suggest possible improvements.
- Planned community events to provide a conducive residential environment for campus residents.

PROJECTS

2018 Interswitch Innovation Challenge - Naija Transit System, Nigeria. **Aug 2018 – Sept 2018**

- Utilized various data collection techniques such as interviews, surveys, and observation to formulate a user-friendly application to improve the Nigerian Public Transport System.
- Prepared presentation using visual and audio media to pitch formulated ideas to potential investors on a televised show (Link: [video link](#)).

SKILLS

Technical/Digital Skills: Python | C/C++ (Advanced) | MATLAB (Advanced) | MS Office Suite (Advanced) |

Personal Skills: Project Management | Project Development | Problem solving | Critical Thinking.