KENECHUKWU EZEIFEMEELU

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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](https://www.youtube.com/watch?v=3zPyCcPqiRM&t=2446s)).

# SKILLS

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

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