KENECHUKWU EMMANUEL EZEIFEMEELU

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# EDUCATION

**NEW YORK UNIVERSITY**, Abu Dhabi, United Arab Emirates **2023**

* B.S. (Hons.) in Mechanical Engineering,Economics (Minor) **| May 2023 | GPA: 3.975/4.0**
* *Magna Cum Laude*, New York University Honors Scholar (Founders’ Day Award)

**LOYOLA JESUIT COLLEGE**, Abuja, Nigeria **2019**

* West African Senior School Certificate Examination **-** WASSCE (SC) - DISTINCTION **May/ June 2019**
* SAT Math: 800/800, SAT Math II: 800/800, SAT Physics: 790/800 **Oct/ Nov 2018**

# TECHNICAL SKILLS

**Programming:** Machine Learning, Anaconda, Python, MATLAB, HTML/CSS, C++.

**General:** MS Office Suite (Word, Excel, PowerPoint, Access), Research, Communication, Project Development.

# RELATED WORK EXPERIENCE AND PROJECTS

**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.

**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.

**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.

**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)).

# OTHER INITIATIVES

*Volunteer***, Special Needs Adaptive Program (SNAP) – Basketball,** Abu Dhabi, UAE **Jan 2023 – May 2023**

* Registered player in the Abu Dhabi Inter-University Sports League (ADISL).
* Participated as a volunteer mentor in bi-weekly basketball program in which university students teach basketball skills to special needs children in the UAE.

# AWARDS & ACCOMPLISHMENTS

* West African Senior School Certificate - WASSCE (SC) National Distinction Award, *Nigeria*. **2019**

*For being Second Overall Best (****2nd Position****) out of 1,590,173 students nationwide.*

* Finalist in the Interswitch SPAK Science Competition out of 11,412 participants nationwide, *Nigeria.* **2018**
* Third Position in the Interswitch Group Innovation Challenge, *Nigeria*. **2018**
* First Position in the Junior Mathematics Olympiad (National Level), *Nigeria*. **2016**