

# IFECHUKWUDENI OWEH

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Date of birth ..... May 17th 2006      Nationality ..... Nigeria

## LINKS

*Personal Website, Github, Linkedin*

## EDUCATION

❖ **Tarleton State University** ..... Jan 2022 — Present  
*Bachelors - Computer Science, Artificial Intelligence and Data Science, Mathematics Minor*      Stephenville

Honors College, Tarleton Computer Society President, Congressperson for College of Engineering Student  
Government Association (SGA)

## EMPLOYMENT HISTORY

❖ **Lead Student Researcher (Electrical & Computer Science Department),** ..... Mar 2022 — Present  
**Tarleton State University**      Stephenville

Implementation of Mini Batch K-Means Normalized Mutual Information Feature Inclusion (KNFI), Mini batch K-Means Normalized Mutual Information Feature Elimination (KNFE). An algorithm was created to determine the max number of features and the features for an ml model to run effectively and have a high accuracy score.  
Works with various ml algorithms.

- Training Hybrid Machine Learning Models and comparing results against target results.
- Extensive research on Hybrid Machine Learning Algorithms & Models.

❖ **Student Researcher (Mathematics Department), Tarleton State** ..... Apr 2022 — Aug 2022  
**University**      Stephenville

Carried out Dynamic Systems Modelling to efficiently analyze and model the spread of disease using network graphs.

- Analyzed trends in disease spread and innovated algorithms and methods to carry out analytics
- Worked with a team, on solving and creating methods for discovering disease susceptibility rate and recovery probability.
- Provided team with solutions to technical problems

❖ **Payload Engineer, NASA USLI'23 Rocket Team., Tarleton State** ..... Oct 2022  
**University Rocket Club**      Stephenville

Worked alongside the payload team for the NASA USLI'23 Rocket Competition on the payload system of the rocket, engineered and designed custom code compatible with the raspberry pi circuit system to meet predetermined functionalities based on the NASA USLI'23 Competition requirements.

❖ **Social Media Lead NASA USLI 23 Rocket Team, Tarleton State** ..... Oct 2022  
**University Rocket Club**      Stephenville

Led all activities regarding social media of the Tarleton State University Rocket Team for the NASA USLI '23 Rocket Competition, oversaw the marketing team, and supervised and worked alongside in developing the Tarleton State University Rocket Team Website.

❖ **Computer Science Teacher Assistant and Grader, Tarleton State** ..... Sep 2022 — Present  
**University**      Stephenville

Assisted the professor in explaining python concepts thought in class to the students, graded student labs. Had tutoring sessions with students take the Intro Computer Science class.

## PROJECTS

### ❖ **Beardb** .....

Developed a secured Database system implementing encrypted versions of JSON data..

Developed and Deployed a Microservice to deploy, create, access, update and delete data remotely.

Wrapped and Deployed as an OpenSource python Library available on PYPI

<https://github.com/teddyoweh/Beardb>

<https://github.com/teddyoweh/beardb-api>

<https://pypi.org/project/Beardb/>

### ❖ **Omarke** .....

Developed a facial search algorithm that implements a binary search algorithm on a facial recognition model which efficiently identifies faces that are absent in pictures based on a dataset.

<https://github.com/teddyoweh/Omark>

## SKILLS

Algorithmic Programming (Python,C) .....	Raspberry PI .....
Machine Learning Modeling and Data Analysis (Python) .....	Reacjs, NextJS, React Native .....
API Development and Software Backend (Python, NodeJS) .....	ElectronJS (Web, Mobile and Desktop Application) .....
Nodejs (API Development and Software Backend)) .....	R (Data Analysis) .....

## EXTRA-CURRICULAR ACTIVITIES

### ❖ **Table Tennis** .....