IFECHUKWUDENI OWEH

Houston TX, United States

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

EDUCATION

❖ Tarleton State University .... Jan 2022 — Present
Stephenville

Computer Science (Artificial Intelligence and Data Science) Bachelors

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

❖ Chokhmah International Academy .... Sep 2016 — Sep 2020
Port Harcourt, Nigeria

High School

Lead the Computer Club as freshman till senior.

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.

❖ Computer Science Teacher Assistant, Tarleton State University .... Sep 2022 — Present
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.

❖ Student Research (Mathematics Department), Tarleton State University .... Apr 2022 — Aug 2022
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.

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)

Machine Learning Modeling and Data Analysis (Python)

API Development and Software Backend (Python, NodeJS)

Nodejs (API Development and Software Backend))

Raspberry PI

Reacjs, NextJS, React Native ElectronJS (Web, Mobile and Desktop Application)

R (Data Analysis)

SOCIALS

❖ Personal Website

teddyoweh.net

❖ Github

https://github.com/teddyoweh

❖ Linkedin

https://www.linkedin.com/in/teddyoweh/

EXTRA-CURRICULAR ACTIVITIES

❖ Table Tennis