

THANKGOD NZUBECHUKWU ENEMUO

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Enemuo's Family
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Anambra State, Nigeria

RESEARCH INTEREST

Machine Learning
Artificial Intelligence
Big Data Analytics
Software Engineering
Programming Language and Theory

EDUCATION

B-TECH	Rivers State University, Port Harcourt, Nigeria Chemical/Petrochemical Engineering Supervisor: Professor Awajiogak A. Ujile	2016 - 2022
WASSCE	Federal Government College, Nise, Nigeria Sciences	2009 - 2015
PLSC	Devans Creative Primary School, Oba, Anambra, Nigeria Basic Education	2003 - 2009

RESEARCH, PROJECT, AND PUBLICATION

Mathematical Modeling and Simulation of an Ethylene Plant for the Production of 10,000 Metric Tons of Ethylene per year | Final year project | Unpublished.

- The project considers using ethanol dehydration as a means to mass-produce ethylene in the presence of alumina catalyst
- I modeled the four different units of an ethylene plant
- I studied the effects of different parameters: The high temperature and pressure conditions at which these reactors operate result in an overall ethanol conversion of 98% and ethylene yield of 98%
- I used excel and python to analyze and visualize the simulation data, and generated insights on the effects of the parameters studied

CERTIFICATIONS

Applied Data Science with Python (In Progress)

The University of Michigan Online Specialization Course on Coursera

- Introduction to Data Science in Python
- Applied Plotting, Chatting & Data Representation in Python
- Applied Machine Learning in Python
- Applied Text Mining in Python
- Applied Social Network Analysis in Python

Expected date of completion: May 2024

Software Engineering (2023)

Holberton School

- First Sprint - C Programming, Linux/command line, and Graphics Programming
- Second Sprint - Python, Data Structure and Algorithms, SQL
- Third Sprint - Unix Programming, Reverse Engineering and Security, Portfolio project
- Fourth Sprint - Backend specialization, Infrastructure Design and Management

Mathematics for Machine Learning: Linear Algebra (2023)

Online course - Imperial College London, on Coursera

- Vectors and Matrixes in Linear Algebra
- Eigenvalues and Eigenvectors: Application to Data Problems

The Complete Data Structures and Algorithms Course in Python (2023)

Online course - Udemy

- Data Structures and Algorithms
- Dynamic Programming
- Python (Programming Language)

Master SQL for Data Science (2022)

Online course - LinkedIn Learning

- SQL
- Database Development, Databases

Become a Data Analyst (2022)

Online course - LinkedIn Learning

- Data Analysis: python, excel, power BI, tableau, R, and power query
- Data Visualization: excel, power BI, tableau, and R

WORK EXPERIENCE

Sub-Intern

Chemical Engineering Department Laboratory

Rivers State University, Nigeria

April - Sep. 2020

- I assisted final-year students in the lab during their research work
- Acquisition of Basic hands-on research skills and assisting the laboratory attendant in organizing practical lectures for undergraduate students
- I specifically worked hands-on with a graduate student to produce biogas from the anaerobic digestion of food wastes

TEACHING EXPERIENCE

Rivers State University Engineering Students Mathematics Tutor

2018 - 2020

- Preparation of tutorial notes;
- Generation of pre-tutorial assessment test;
- Explicit explanations of all topics related to linear algebra, calculus, probability, and statistics;
- Generation of post-tutorial evaluation forms to obtain feedback on the impact of each session as well as areas that need to be improved;
- Recruitment of other tutors

HONOURS AND AWARDS

ALX Software Engineering Scholarship

2022 - 2023

The scholarship covers the tuition fee at Holberton School

It was valued at \$45,000 and sponsored by Mastercard Foundation

1st Runner-up, Engineering Week Essay Competition

2018

For participation in the competition

Chief Margaret Ikokwu Memorial Award

2016 - 2019

The award was valued at ₦50,000 per annum to support indigent undergraduate students with excellent academic performance

PROFESSIONAL AFFILIATIONS

Member, The Room	2022 - Present
Member, Nigeria Society of Chemical Engineers	2018 - Present
Member, Joint Christian Campus Fellowship (JCCF)	2016 - 2022
Member, Anglican Students' Fellowship, Rivers State University	2016 - 2022

PROFESSIONAL DEVELOPMENT TRAINING

CONFERENCES

Vue.js Forge Conference	July 2022
JSNation Conference	June 2022
TechUp Port Harcourt annual conference	May 2022
ExxonMobil Foundation C21 Employability Summit	April 2021

WORKSHOPS

RSU Tech Festival	Sept. 2021
SDG – Fintech Hackathon	April 2021

LEADERSHIP EXPERIENCE

Team-Lead , ALX Software Engineering Learning Group	2022 - 2023
Coordinator/Team-Lead , Rural Rugged Mission, Anglican Students' Fellowship, Rivers State University, Nigeria	June 2021
ELECO Chairman , Student Electoral Committee	December 2021
Program Coordinator , Joint Christian Campus Fellowship, Rivers State University, Nigeria	September 2021
Evangelism and Gospel Publications unit coordinator , Joint Christian Campus Fellowship, Rivers State University, Nigeria	2020 - 2021
Academic Coordinator , Anglican Students' Fellowship, Rivers State University, Nigeria	2018 - 2020

COMMUNITY SERVICE/ VOLUNTEER EXPERIENCE

Hemm Africa (Web Developer)	2022 - Present
National Youth Service Corps	2022 - 2023
Feed a child today (Somto Ezeano Foundation)	2020 - Present
National Blood Transfusion Service, Nigeria (Blood Donor)	2016 - Present
Local Church Bassist	2015 - Present
Community clean-up project / Trash Challenge	2015

HOBBIES

Reading | Creative Writing | Tourism | Volunteering | Research

SKILLS AND COMPETENCES

Excellent problem-solving skills and solid numerical skills
Efficient communication skills/fluency in English and Igbo
Excel proficiency and knowledge of querying language
Expertise in data analytics
Good leadership/academic/professional skills
Excellent skills in Planning, Implementation, and Evaluation
Honesty, Integrity, and Transparency

OTHERS

Mentoring engineering students on career paths
Full stack web development

REFERENCES

Available upon request