

OMATSOLA JOHN YARUMEN

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Engineering graduate with a solid foundation in problem-solving, analytical thinking, and innovative design. Passionate about applying multidisciplinary engineering principles to real-world challenges, from materials science to mechanical systems. Eager to contribute to cutting-edge projects, gain hands-on industry experience, and collaborate within a dynamic team to drive impactful solutions.

EDUCATION

University of Ilorin | *Bachelor of Engineering*
2017 – OCTOBER 2023

P. M. B 1515, Ilorin, Kwara State | **OCTOBER**

- Second Class Honors (UPPER DIVISION)

Thesis: “Mechanical properties and micro-structural analysis of mercerized coconut shell particles and ram horn particles reinforced epoxy composite” The objective of the research is to produce and characterize the hybrid composite.

Quine Unic College

Owode-Yewa, Ogun State | **JUNE 2011 – JUNE 2014**

- West African Senior School Certificate Examination

Acada Science College

Otta, Ogun State | **JULY 2008 – JULY 2011**

- Junior Secondary School Certificate Examination

WORK EXPERIENCE

National Center for Agricultural Mechanization | *Intern Engineer*
2021 – MAY 2022

Idofian, Kwara State | **DECEMBER**

- Worked closely with an engineer and assisted with material testing using universal testing machine to carry out tests such as yield strength, elastic modulus, flexural test
- Interpreted blueprints and technical drawings to analyze upcoming projects
- Produced a corrosion inhibitor from neem leaf extract
- Assisted engineers in cutting, drilling and grinding in the mechanization workshop
- Performed turning operation using a center lathe machine

Ogun State Materials Testing Laboratory | *Intern Engineer*
2024

Abeokuta, Ogun State | **FEBRUARY 2024 – MAY**

- Gained more understanding of materials properties, testing methods and standards.
- Worked closely with engineers in carrying out building inspections.
- Carried out compression load test on concrete cubes.

- Used AutoCad to create 2D representations.

Altair Attic | *Intern software developer*

Abeokuta, Ogun State | **JUNE 2024 – Present**

- Gained proficiency JavaScript.
- Gained proficiency in HTML and CSS.
- Used Git/GitHub/GitLab for version control and collaboration.
- Worked closely with team members, including developers, designers, and project managers.
- Balanced multiple tasks and met deadlines in a professional setting.

RESEARCH EXPERIENCE

Project

Mechanical properties and micro-structural analysis of mercerized coconut shell particles and ram horn particles reinforced epoxy composite

- Produced horn/mercerized coconut shell particle reinforced epoxy composite
- Performed tensile, flexural, hardness and abrasion mass loss test on the hybrid composite
- Examined the composite using optical microscope
- Performed morphological analysis on the composite using scanning electron microscope (SEM)
- Used Fourier transform infrared spectroscopy to interrogate the composite for unknown composition

PROFESSIONAL AFFILIATION

- Graduate member, The Nigerian Society of Engineers (NSE) **OCTOBER 2023 – Present**
- Member, National Association of Materials and Metallurgical Engineering Student (NAMMES) 2021/2022 session

COMMUNITY SERVICE

Community Based Experience Scheme (COBES)

Ilorin, Kwara State | **MAY 2022**

COBES activity resulted in the provision of a solar powered street light and the renovation of the community's place of worship

SKILLS AND COMPETENCE

- Efficient use of Universal testing machine
- Efficient use of Microsoft office (Word)
- Ability to work with less supervision
- Analytical thinking
- Time management

- Web development (HTML, CSS and JS)

LANGUAGE

English: Distinguished levels in speaking, listening, reading and writing.

REFERENCES

Engr. Kabiru Suleiman Ajao from
University

suleimanajao@gmail.com

Engr. Yusuf Olanrewaju Busari
from University

busari.oy@unilorin.edu.ng