

Joshua Atiba

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PROFILE SUMMARY

An associate mechanical engineer with passion for materials engineering. Active contributor to research and innovation in materials and metallurgy field.



EDUCATION

Covenant University, Ota, Nigeria 2017-2022

Bachelor of Engineering (Hons) in Mechanical Engineering

First Class Honor

Concentration: Advanced Materials and processing

Relevant Courses: Material science, Corrosion Technology, Thermal Power and Propulsive Systems, Fluid Power & Machinery, Applied Thermodynamics.



WORK EXPERIENCE

Engineering Intern 2021

Repair Department, Auto-Check up, Ota, Nigeria

- Overhauled automotive engines and transmission.
- Routine maintenance of vehicle hydraulic brake system & lubrication systems.

Formula Student Modelling Lead 2020-2022

Hebron Motorsport (HMS), Covenant University, Nigeria

- Modelled calculations and designed the brake system for the FormulaStudent Class competition.
- Modelled and simulated HMS formula student vehicle for the virtual formula student competition.
- Active involvement in the manufacturing of the formula student vehicle.

National Youth Service (Research Assistant) 2023-

College of Engineering, Bells University, Nigeria

- Co-authored 12 peer-reviewed articles in composite studies, corrosion science and advanced coating technology subject matter.
- Conducting research on metal behaviour and advanced material development

Research Lead (Materials Lab) 2024-

College of Engineering, Bells University, Nigeria (Freelancer)

- Co-supervised BSc students on industry-relevant research projects
- Developed alloys and polymers for advanced applications



COMMUNITY INVOLVEMENT

Volunteer Service Participant 2020-present

Assemblies of the Blessed Generation, Ota, Ogun state, Nigeria.

- Volunteered as the fellowship drummer, playing the drum set during Sunday and mid-week services.
- Member of the church Technical (visual) department, handling the camera during Sunday services.



AWARDS

- 2022 First class Honours Mechanical Engineering, Covenant University

- 2022 Certificate in Leadership Development (CLD)
- 2022 Certificate of Entrepreneurship Development Studies, Covenant University
- 2021 Covenant University Alumni Association (CUALA) Mentoring Program



CERTIFICATIONS

- AutoCAD certified user 2019
- Autodesk Inventor certified user 2019
- Microsoft Project+ Professional 2017



SELECTED PUBLICATIONS

- Fayomi, O. S., & **Atiba, J. O.** (2024). Development of Anti-Corrosion, Structural, and Optoelectronic Potential of Capsicum annum-Doped AA6063 Alloy for Marine Applications. Results in Surfaces and Interfaces, 100314.
- Joseph, O., Dirisu, J. O., **Atiba, J.**, Ante, S., & Ajayi, J. A. (2023). Mechanical, and corrosive properties of AA7075 aluminium reinforced with rice husk ash particulates.
- O.D. Akinfenwaa, O.S.I Fayomi, **J.O. Atiba**, B.E. Anyaegbuna (2023). Chemical and microstructural investigation of starch modified zinc oxide paired as a composite superhydrophobic coating for mild steel protection.
- More at:
<https://scholar.google.com/citations?user=ue6Nh64AAA&hl=en>



CONFERENCES ATTENDED/PRESENTED

- 7th International Conference on Engineering for a Sustainable World (ICESW 2023)
- International Conference of Engineering and Innovative Technology, 2023



LABORATORY AND TECHNICAL SKILLS

- Programming Languages and Mathematical packages: MATLAB, QBasic, SPSS
- Laboratory Equipment: Cussons Thermodynamics and Nova
- Computer Aided and Design/Engineering: AutoCAD, Inventor, IPG Carmaker, Solidworks.
- Technical: OBD (Automobile Diagnostics)
- Mac OS, Window



PROFESSIONAL MEMBERSHIP

- Institution of Mechanical Engineers (AMIMECHE)
- Nigerian Institute of Mechanical Engineers (NiMechE)
- Nigerian Institution of Professional Engineers and Scientists (NIPES) (Associate)



ACTIVITIES

- Sports & Games: Tennis, Walking, Monopoly, FIFA, CoD
- Podcasts, Documentaries & Football
- Drumming: 10 years as a drummer with knowledge and skills of playing slows worship songs and traditional Nigerian High life music.



REFERENCES

Provided on Request