

ONAOPEMIPO VICTOR ADEOYE

Biltmore Homes Estate Galadimawa, FCT, Abuja, Nigeria
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EDUCATION

University of Abuja, Abuja	2016-2021
Bachelor of Engineering, B.Eng	
Civil Engineering	
Final Cumulative GPA 4.55 out of 5.0 CGPA	Top 1% <i>First Class Honors</i>
Other Certifications:	
• Certificate of National Service	2023
• Certificate in Agile Project Management, PMI Nigeria	2023
• Certificate in Reinforced Concrete Design, MO GOLD Integrated Limited, Nigeria	2023
• Certificate in Sustainable Design, Nigerian Institution of Civil Engineers	2022
• Certificate in Fundamentals and Applications of Geographic Information Systems (GIS) Training, NICE	2022
• Certificate in Eco-friendly Engineering Innovation Challenge	2022
• Certificate in Drone Application in Construction,	2021
• Certificate in CAD and BIM Structural Design Software, P-Delta Structural Initiatives	2021
• Certificate in Soft Skills, Jobberman	2021
• Certificate in Life and Business Skills, IBM SkillsBuild	2021
• Certificate in Design and Construction Training, Nigerian Institution of Civil Engineers	2021
• Certificate in Front End Development, FreeCodeCamp	2021
• Certificate in Learning Python Programming Language, LinkedIn	2021

AWARD AND HONOURS

• Leadership Award for TIIDELab Software Development Program	2023
• Impact Award for Volunteering at Community Development Service, TIIDELab Outreach Program	2023
• Outstanding Project Manager Award, for NYSC Community Development Service Group (FCT-ABUJA)	2023
• TIIDELab Fellowship Cohort 5 Scholarship	2023
• 3rd Best Graduating Student, Department of Civil Engineering, University of Abuja, Nigeria.	2022
• Outstanding Leadership Award, Fellowship of Christian Students	2022
• 5th Position, Development of Sustainable Construction Materials Competition	2022
• Access Bank/Udacity Advance Africa Scholarship for Emerging Leaders (Training Award)	2021
• Agbami Scholarship Award for Selected Individuals in Top Nigerian Universities (N100,000)	2021
• MTN Scholarship Award for Selected Individuals in Top Nigerian Universities (N100,000)	2020
• The Nigerian Institute of Civil Engineers (Chairman's Honor Award) (2018)	2018

PROFESSIONAL EXPERIENCE

Department of Civil Engineering, University of Abuja, Abuja	January 2024 – Till date.
Volunteer Assistant Lecturer (Part-Time)	
• Lectured undergraduate design studio courses (300L-500L), providing instructions, and guiding the development of civil engineering project designs.	
• Mentored and guided students through practical sessions and projects.	
AdStruc Associates Limited	October 2023 – Till date
Civil/Structural Engineer	
• Successfully designed and managed the construction of a major health infrastructure project, ensuring compliance with regulatory standards, completed the project within the specified timeline, and achieved cost savings of 10% through efficient resource allocation using BIM and CAD system.	
• Vented structural drawings to meet standard requirements.	
• Promoted sustainable development innovation and enhancing appreciation for architectural history and cultural heritage.	
• Participated in stakeholder and project manager meetings to provide input on alignment of project goals, identify project challenges and captured key decision.	

- Assisted in the preparation of Bill of Engineering Measurement and Evaluation (BEME) and Bar Bending Schedules (BBS).

Federal Capital Development Authority, Abuja

November 2022 – November 2023

Volunteer Site Engineer (Full -Time)

- Assisted the chief resident engineer in overseeing the expressway construction process, ensuring that project objectives and quality standards were met.
- Contributed to the designs of bitumen production and admixture usage for pavement construction.
- Prepared accurate records of construction progress, daily activities, and any deviations from plans.
- Fulfilled tasks set out by the sectional head from the department.
- Participated in stakeholder and project manager meetings to provide input on alignment of project goals, identify project challenges and captured key decision.

Creatarc Nous Limited, Jabi, Abuja

March 2021 – December 2021

Structural Engineer (Intern)

- Collaborated with the structural engineering team in the design and analysis of multiple semi-detached four-bedroom duplexes using AutoCAD and ProtaStructure in compliance with structural design codes and standards.
- Assisted in the preparation of Bill of Engineering Measurement and Evaluation (BEME) and Bar Bending Schedules (BBS).
- Participated in the development and monitoring of project plans, ensuring alignment of design activities with project timelines, budget constraints, and client requirements.

Shams Consultancy Limited, Jabi, Abuja

December 2019 – March 2020

Structural Engineer (Intern)

- Performed structural analysis and design of complex lecture theatre auditoriums based on the architectural design using AutoCAD, BEAMAX, Protastructure, and Excel in compliance with BS codes and standards.
- Prepared Geotechnical reports of project sites.
- Participated in the design and supervision of University of Abuja, department of Agriculture lecture theatre auditorium.

Civil Engineering Department, University of Abuja, Abuja

August 2018 – August 2019

Research Assistant (Part-Time)

- Assisted in the research on controlling rising damp in existing buildings using hydrophobic admixtures and moisture barrier coatings.
- Assisted in conducting laboratory experiments and field trials to evaluate the performance and feasibility of incorporating rice husk in concrete mixes, aiming to reduce cement content and enhance sustainability in construction practices.

OTHER VOLUNTEERING AND LEADERSHIP EXPERIENCE

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| • Assisted a researcher at University of Bradford on stainless-steel composite beam performance using ABAQUS technology | 2023 |
| • Project Manager at NYSC Charity Community Development Services. | 2023 |
| • Program Coordinator at ViSCOD in Africa, Nigeria Region. | 2023 |
| • Digital Literacy Instructor, YiSHDA- Sponsored by the US Emabssy. | 2023 |
| • General Secretary Nigerian Institution of Civil Engineers Student Affiliate, North Central Nigeria. | 2021 |
| • Branch General Secretary NICE Student Affiliate, University of Abuja. | 2021 |
| • Assistant Chief Operation Officer Prinstech LLC, Abuja. | 2021 |
| • Class Teacher at Godly Seed Montessori Private School. | 2020 |
| • Fellowship Vice President at Fellowship of Christian Students (led 300 members). | 2019 |
| • Literacy Society Coordinator, University of Abuja 2018/2019 Academic Session. | 2018 |
| • Class Coordinator, University of Abuja 2017/2018 Academic Session. | 2017 |

SKILLS

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| • Delivery of BIM and Information Management systems and processes | Etabs, KcSoft, StoneBridge, Revit and other civil engineering software. |
| • Proficient in ABAQUS, AutoCAD, Civil3D, SAP2000, Orion, Protastructure, StaadPro, | • Python and JavaScript Programming for Data Analytics, AI, ML, and Software Development |
| | • Data Analytics using MySQL and MongoDB |

- Community-focused Research
- Data Analysis using Excel, Nvivo & SPSS.
- Strong communication and interpersonal skills.
- Ability to develop engaging and interactive course materials.
- Human-centric Design System
- Project Management
- Leadership and Organization
- Volunteering
- Human Development
- Community Development

INTEREST

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| <ul style="list-style-type: none"> • Engineering Technology • Innovative Research • Community Development • Human Development • Entrepreneurship • Development Policy. • Artificial Intelligence (AI) and Machine Learning | <ul style="list-style-type: none"> • Management and Maintenance of Civil Infrastructure • Development of Predictive models for structural health monitoring, optimizing maintenance strategies, and improving the resilience of critical structures | <ul style="list-style-type: none"> • Community-Focused research using AI and data analytics to address the challenges faced by communities in regions like IDP camps and war-affected areas. • Reliability Engineering, Hazards, Corrosion-effect and Structural Analysis |
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PROFESSIONAL MEMBERSHIP

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- Nigeria Society of Engineers (NSE) – Member
 - Nigerian Institution of Civil Engineers (NICE) – Member
 - International Association of Engineers (IAENG) – Member

PRESENTATIONS

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- Sustainable Design Thinking Process in Structural Engineering Presented at the Nigerian Institution of Civil Engineers Student Affiliate North-Central Zone Technical Session 2024.
 - Cultural Sustainability in Resettlement: Assessing Pet Blocks for Eco-Friendly Rehabilitation Infrastructure In Nigeria at the 3rd International Conference Hosted by the Centre For The Study And Promotion Of Cultural Sustainability, University Of Maiduguri, Nigeria in Partnership with University of Hildesheim (Germany) 2024.
 - Workplace Etiquette: Building Blocks of Professional Excellence Presented at Bratim Business School Capacity Building Session 2023
 - Ethical Use of Artificial Intelligence for Quality Research Output presented Crusader4Literacy Virtual Research Summit 2023
 - Maximizing Technology for Fact-Checking (MTF101) Presented at the National Library of Nigeria Capacity Building Session, Nasarawa State University, Lafia, and University of Abuja, Nigeria 2023
 - Polyethylene Terephthalate (Pet): An Approach to Developing Sustainable Construction Materials Presented at the Nigerian Institution of Civil Engineer Annual Conference Sustainable Construction Material Development 2022

PUBLICATIONS

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- Cultural Sustainability in Resettlement: Assessing Pet Blocks for Eco-Friendly Rehabilitation Infrastructure In Nigeria (Accepted for publication by the Centre For The Study And Promotion Of Cultural Sustainability, University Of Maiduguri, Maiduguri, Nigeria).
 - Onaopemipo V. A. (2022) Analysis And Design Of University Of Abuja Mini-Indoor Recreation Complex (Thesis submitted for the award of Bachelor of Engineering, Faculty of Engineering, Department of Civil Engineering, University of Abuja)ResearchGate [DOI](#)