

# Abidemi Akinola

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• [akinolaabidemi.aa@gmail.com](mailto:akinolaabidemi.aa@gmail.com)

## EDUCATION

**Obafemi Awolowo University (OAU), Ile-Ife**

Aug '14 - Mar '19

- B.Sc. in Mechanical Engineering (*C.G.P.A.: 4.13/5.00*)
- Thesis: *"Synthesis and Characterization of Coconut Mesocarp for Energy Absorption"* - [A]
- Relevant Coursework, with Respective [Grades]:  
*General Physics-[A]; Vector Analysis-[A]; Mathematical Methods II-[A]; Engineering Mechanics II-[A]; Engineering Drawing-[A]; Computer Programming-[A]; Mechanics of Machines I-[A]; Fluid Mechanics I-[B]; Stress Analysis-[A]; Machine Design II-[A]; Technical Report Writing-[B]; Production Engineering-[A]; Energy Technology-[B]*

## WORK/TECHNICAL EXPERIENCE

**Systems Support Engineer, Information Systems, FedEx RedStar PLC HQ, Lagos Nigeria**

Aug. '21 – Present

- Onsite and remote installation, configuration, and support of Fedex Redstar computing hardware devices, servers, operating systems, and applications across Nigeria and West Africa.
- Coordinate tests and troubleshooting with first and second level users to resolve technical faults, and where necessary providing training and advice.

**Research Assistant, Dr. Malomo's Research Team, Mechanical Engineering Dept., OAU**

Mar '19 - Sep '19

- Researched computational and experimental material modeling and design.
- *Research abstract accepted for presentation at the second International Conference of Mechanics of Advanced Materials and Structures (ICMAMS 2019).*

**Automotive Engineering Technician, A-List Autos Nigeria Limited, Lagos**

Oct '17 - Mar '18

- Performed diagnostic tests on maintenance-bound automobiles to detect and locate electrical / mechanical faults
- Worked on vehicle overhauling and maintenance of the facility's pneumatic systems.

**Trainee, Mechanical Engineering Section, Division of Works and Maintenance Services, OAU**

Apr '17 - May '17

- Maintenance of pipes and machines in the water purification plant at OAU,
- Repair and Maintenance of all institution-owned vehicles,
- Installation and maintenance of HVAC systems within the institution.

**Project Head, Ambient temperature control system project, Mechanical Engineering Dept OAU.**

Mar '17 - Apr '17

- Developed an Arduino controlled fan that could regulate the temperature of a room.
- Wrote codes in C to manipulate the controller and actuator to regulate as desired.
- Coordinated my team to deliver on time, an effective prototype that works.

**CAD Trainee, Classic Systems InfoTech**

Sep '13 - Jan '14

- Designed layout plans and 3D models of buildings and structures using Auto-CAD.

## ONLINE/MOOC COURSES

**The Finite Element Method for Problems in Physics (UMich Ann Arbor via Coursera)**

Oct '20 - Apr '21

- 45 hours of lectures equivalent to the Introductory Graduate Class at the Mechanical Engineering Department.
- Developed C++ based finite element method codes to model and solve 1-D,3-D elliptic, parabolic, and hyperbolic PDE problems using the Deal-ii Virtual Machine.
- The problem domain includes linearized elasticity; steady and unsteady state heat conduction and mass diffusion; linear elastodynamics.

**Beginning C++ Programing from Beginning to Beyond (Udemy)**

Mar '20 - Jan '21

- Learned C++ OOP and Standard Template Library (STL) techniques for game, system, and application development
- Completed challenges ranging from working with raw pointers to implementing STL algorithms for better runtime efficiency

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## Management Consulting Graduate Program, Edu-Bridge Academy.

Aug '20 - Oct '20

- Took courses on Financial Accounting, Modeling, and Analysis, Business Analysis and Planning, Case Study Analysis, Business Writing.
- Acquired expert-level skills in the use of Microsoft Excel and Power point.
- Created business plans for startups by building Financial/Accounting models.
- Evaluated financial ratios by analyzing the annual report of different companies.

## AWARDS

Dec. 2018	Participated at the United Nations Hult Prize Global Youth Challenge 2019 aimed at solving the Imminent problem of Unemployment in Africa.
Jul. 2018	Medalist at the Obafemi Awolowo Inter-Faculty Tennis Competition.
Sep. 2017	Winning team squad player at the OAU Dean's Cup Football Tournament.
Jun. 2016	<b>National Scholarship award from the Petroleum Technology Development Fund (PTDF).</b>
Dec. 2015	Dean's Honours for Outstanding performance in the Harmattan Semester of the 2013/2014, Mechanical Engineering OAU.

## SKILLS

<b>Computing</b>	Office; C++, Python, Java, Matlab, HTML & CSS; AutoCAD, Inventor; ABAQUS FEA, Digimat.
<b>Language</b>	English - Fluent; German - Basic; Yoruba - Fluent.

## EXTRACURRICULAR/LEADERSHIP

2020	Team Head, TOP-FORM - Edu-Bridge Academy Business Challenge.
2016/2017	Assistant Public Relations Officer II (editorial), IEEE (OAU SB).
2015/2016	Assistant Publicity Secretary, Evangelical Christian Union (ECU), OAU.
Oct. 2015	Participated in the IEEE-Xtreme Programming competition 9.0.

## INTERESTS/HOBBIES

Tennis, Football, Yoga, Swimming, Sightseeing, Traveling, Auto-driving, Go-karting, Cooking, Reading, Problem Solving.