

AYOOLUWA AKINOLA

Ibadan ◇ Nigeria

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EDUCATION

University of Ibadan

April 2018 - Present

5th Year Mechanical Engineering Student

Ibadan, Nigeria

Coursework: Mathematical Modelling of physical systems, Design conceptualization and research, Energy and heat transfer, Application of thermodynamic principles to simple engine cycles, Application of fluid mechanics to mechanical, biological, environmental, and micro-fluidic systems, Design and optimization of thermal systems

Final Year Research Project: Numerical Analysis of FLuid Flow and Heat Transfer in Wavy Microchannels with Bifurcation

Education Advancement Centre

June 2017

Cambridge GCE A-Level

Ibadan, Nigeria

Physics - A, Chemistry - A, Mathematics - A

Massive Open Online Courses Introduction to Data Science (University of Michigan, Coursera), Introduction to Self-Driving Cars (University of Toronto, Coursera)

EXPERIENCE

Deen-Banjus Engineering Limited

September 2021 - January 2022

Intern

Ibadan, Nigeria

- Installation of diesel power generators
- Preventive and corrective maintenance of diesel powered generators

Faith Engineering Works

March 2020 - December 2020

Intern

Ibadan, Nigeria

- Fabrication of metal structures with cutting, bending and assembling processes.
- Fabrication of metal structures through welding and machining processes.

Mechanic Village, University of Ibadan

April 2019 - June 2019

Intern

Ibadan, Nigeria

- Assisted with the maintenance, fault diagnosis and repairs on motor vehicles

Education Advancement Centre

October 2017 - April 2018

Teaching Assistant

Ibadan, Nigeria

- Supported real-time system operations · Supported routine substation inspection and maintenance

SOFTWARE DEVELOPMENT PROJECTS

CGPA Calculator

Python

- A python program for calculating CGPAs based on 4.0, 5.0 and 7.0 GPA scale.

Stocks (Know Your Worth)

Python, APIs

- A python application which takes money asset data from a file and calculates its worth in real using APIs.

Front-end Design Clones

HTML, CSS

- Designed replicas of the Twitter, YouTube and Jumia Foods web apps using HTML and CSS

TECHNICAL SKILLS AND TOOLS

Programming and Version Control *Python, JavaScript, HTML, CSS, Git*

Data Science *Basic statistical inference, Data manipulation and cleaning*

Modelling, Design and Analysis *Fluid Systems, Thermodynamic Systems, Mechanical Structures*

Frabrication and CAD *Welding, Machining; AutoCAD, SolidWorks*