

Caleb



my Profile

Hello, I am Appiagyei Kwabena Caleb. As an accomplished electrical engineer, I specialize in electrical machines, power electronics, and power systems optimization. My expertise extends to renewable energy, where I am dedicated to advancing green energy solutions. With a strong focus on efficiency, I strive to develop sustainable power systems that

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technology with sustainable practices.



Services

electrical machines

- expertise in repairing faults in electrical machines
- excellent knowledge in electromagnetism and the working principles of electrical machines
- high experience in working with industrial machines

electric drives

- expertise in employing choppers and thyristors in drive systems
- expertise in building variable frequency drives, and coupling them with PLCs in automation
- also, I have a great knowledge in the building and the working principles of speed and current controllers as well as employing them in drive circuits

power electronics

- I am an expert in building inverters and converters
- I have in depth knowledge in the working principles of thyristors and choppers as well as employing them in electric machines
- also, I have high understanding in the working principles of bridge circuits

solar pv system

as part of my keen interest in promoting clean energy, I have built myself massively in the study of solar pv systems in addition to employing power electronics in the production of energy from the sun as well as lithium batteries . this is of a great interest since the world is going "electric". I've proven myself capable of building solar pv's, choppers, rectifiers as well as inverters both at the lab and on the field as well

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in addition to the above, i am a self-tutored web developer as well as data anaylist. I've masterd myself in these two, having completed 6 and 4 projects respectively.

skills



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MyEducation

High School

I am an alumnus of Opoku Ware School(2016 - 2019)



University

I had my Bsc electrical and electronics degree in Kwame Nkrumah University of Science and Technology(2024)

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MyWork Experience

internship-1



my first internship training was done at the substation of the Electricity company of Ghana at anwomaso where i was exposed to transformers, motors and generators



internship-2

I had my second internship at the KELM engineering company,accra. This is where I took an intensive training in the building of drive and bridge circuits

internship-3



I undertook my last internship at the optima solar systems in Accra. I recieved training on solar PV installation as well as incorporating solar PV system into the grid network

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Contact**Me**

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