***ICHA TREASURE GEDINA***

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**PROFILE**

Software and electronics engineering graduate with a demonstrable track record of achieving set goals and delivering outstanding results. Highly analytical with great attention to detail, especially in problem solving and solution building situations. Enthusiastic about working in teams and learning from new and past challenges.

**EDUCATION**

**September 2014 – July 2018 BEng Software and Electronics Engineering with Industry University of Leicester**

Relevant modules: Introduction to C programming (82%), Program Design (61%), Software Engineering(60%), Data Structures and algorithms (60%), Electrical Design and Experimentation (73%), Electrical and electronics Engineering (66%), Maths with computation (63%), Business Simulation (64%), Communications 1 (94%), Software Quality Assurance (74%), State Variable Control (72%), Management (69%).

**September 2013 – June 2014** **Foundation year**

**University of Leicester International Study Centre**

Pure Mathematics 1: (61%), Pure Mathematics 2: (72%),

Physics 1: (68%), Physics 2: (68%), English 3: (83%).

**September 2007 – June 2012** **West African Examination Council (WAEC)**

**University of Calabar International Secondary School**

**RELEVANT EXPERIENCE**

**June 2018 – July 2018 University of Leicester**

* Setting up Blackboard course sites according to pre-set design guidelines and template.
* Migrating teaching and learning materials from existing Blackboard course sites into the new template and reformatting as required.
* Adding and checking links to pre-prepared resources.
* Checking that materials are not in breach of copyright
* Setting up module assessments such as MCQs and short answer quizzes and tests
* Liaising with module conveners and departmental administrative staff to ensure the new course sites meet their requirements

**October 2017 – June 2018 University of Leicester Students Union**

Building supervisor

* Supervise the setting and arrangement of rooms for meetings and other special student and faculty functions
* Enforces building and safety regulations.
* Daily, weekly and monthly fire system checks
* Serve as the point of contact with outside authorities for emergency or disturbances to operations and safety.
* Warn students of rule infractions and evict violators from the building as necessary.
* Take the lead in problem solving building situations during the work shift.
* Providing a high level of service to students, guests, and Staff

**September 2016 - August 2017 Bkonex Limited**

Research Assistant

* The Research project was to develop the 1st commercial 10Gbps WiFi Access Point with device for optimal interference estimation and scheduling, compatible with the CSMA/CA protocol with a centralised control. I was trying to integrate the 10Gbps chipset with the right processor that would cope with enterprise/carrier class workload on the access network.   
  [www.bkonex.com](http://www.bkonex.com)

**October 2016 - March 2017 Leicester Musical Instruments Training Club**

Music Teacher (Drum)

* Planning and preparing lessons in relation to individual pupils' needs
* Acquiring appropriate teaching materials and resources.
* Creating and maintaining a network of contacts to ensure work continuity.
* Motivating pupils and encouraging progress.
* Communicate with parents about their child's lessons and progress.
* Develop your knowledge of materials and repertoire for students at different stages of their musical development.

**October 2015 - April 2016 University of Leicester**

Control Systems/ Electronics Engineer

* Assigned with designing and implementing a control system to maintain the stability of the prototype during its operation.
* Currently assigned with the task to make the device be able to lift the weight to the height of 60cm
* Using high torque motors attached to a scissors lift, it will be lifted to each height to deploy each 200g weight, done using a pic-axe programmed in basic.
* [**https://youtu.be/bCh80cQaIKk**](https://youtu.be/bCh80cQaIKk)
* [**https://youtu.be/RXhV77tojKc**](https://youtu.be/RXhV77tojKc)

**October 2015 – July 2016 University of Leicester Racing**

Grounded Low Voltage and Vehicle Management Team

* Designing a system for the Low voltage section of the car i.e Voltages below 60V.
* Tasked with Designing a Brake plausibility device so if the brake and accelerator are pressed together the car shuts down and a
* Torque encoder using a potentiometer to know how much the accelerator is pressed.
* Also tasked with designing devices to tell the driver what is wrong with the car at a given time, using lights as warning signals.
* <http://www.uolracing.co.uk/>

**March 2015 University of Leicester Group project**

* I was part of a team of 3 engineers to design a lock system for a High Voltage room using a software like Pspice.

**October 2014 University of Leicester individual project**

* Using an Arduino board I was able to make an automated external defibrillator simulator to simulate heartbeat and CPR application on an LED display.
* Using an Arduino board I was able to make a resistor meter when the resistor is put into the bread board the value of the resistor is displayed.
* Worked on the NXP LPCXpresso Base Board programming in C.
* I have also made a web application for project managers and developers assigning different jobs using java and HTML.
* Designed a guessing game using a Server and Client to communicate with each other.

**OTHER EXPERIENCE**

**June 2015 Light Of the World after School Club**

* Volunteer teacher responsible for teaching and providing support in mathematics to students from year 3 to year 4

and also giving drum lessons.

**POSITION OF RESPONSIBILITY**

**2011 – 2012 University of Calabar International Secondary School**

**LABORATORY PREFECT**

Supervising people working in the lab and kept inventory of different apparatus in the lab

**KEY SKILLS**

* **Analytical Skills** - Proven in academic work; projects in engineering modules with the ability to discover more efficient and productive way to complete a particular job task.
* **IT Skills** – Proficient in MS Office applications, HTML, CSS, C, Matlab , Pspice, Visual Basic, Bootstrap.
* **Numerical Skills –** Adapted to numeracy as a student from the Engineering departmen

**INTEREST**

Enjoy singing, drumming and cycling, Currently a Member of the University of Leicester Engineering Society, member of the University of Leicester Computing Society, Member of the University of Leicester Racing, member of the band and gig society at the University of Leicester,

I have a keen interest for culture, which prompted me to join the Nigerian Society at The University of Leicester.

**ACHIEVEMENTS**

* Drummer for the Leicester University Voices (LUV), the group won the university Gospel Choir of the Year (UGCY) competition in 2015.
* Best in Maxwell World in the Business Simulation Module in the Engineering Department for 2015/2016.
* Leicester University Voices best Performing group Leicester Students Awards 2015/2016.

**REFERENCES**

Available on Request