

Personal Profile

A vibrant young man interested in exploring new opportunities in renewable energy and taking up various challenges in finding a cost effective and lasting solution to the energy issues in Africa and the world as a whole.

Professional Experiences**University of Michigan** - Graduate Research Assistant

Aug. 2019 – Present.

- Currently carrying out research in the Lenert group, chemical engineering department of the University of Michigan

Solina Health - Graduate Trainee, Consulting Analyst

June 2018 – May 2019

- Gained experience in employing a wide range of analytical tools to sieve through and synthesize data derived from field for quality assurance for the National Aids/HIV Indicator and Impact survey (NAIIS) in conjunction with University of Maryland-Baltimore (UMB), Centre for Disease Control (CDC) and Global Funds.

Chanics Auto repair – Co-founder

Feb. 2017 – Apr. 2018

- Co-founded a start-up company that uses mobile application to link car owners and reliable mechanics in case of emergency breakdown, routine maintenance or major car repairs.

Forte Oil Nigeria PLC. – Quality Control and production Engineering Intern

Aug. 2016 – Dec.

2016

- Maintaining a desired level of quality to meet the general standard for lubricants (Quality Control) by carrying out various property tests (Flash point, cold-cracking simulation, total base number, and viscosity) on all samples
 - Manufacturing pilot blends by optimizing the right quantity of base oil and additives to give a standard product.
 - Laboratory test for downstream products (AGO, ATK, DPK and PMS) for quality assurance.
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Education and Qualifications**University of Michigan**, - Ph.D. Chemical Engineering

Aug. 2019 – Present

- Research aim is to design and demonstrate a thin film Thermophotovoltaic cell (TPV) device with conversion efficiency exceeding that of current state-of-the-art devices.

University of Lagos, Akoka, Yaba, Lagos State - BSc. Chemical Engineering

Oct. 2012 – Nov. 2017

- CGPA 4.97/5.0 (1st class honors). Overall best graduating student in the university.
 - **Final year thesis:** identifying the rising challenges in modelling phase behavior of reservoir fluids in unconventional reservoirs (HPHT wells) by using four EOS (PC-SAFT, VT-PR, VT-SRK and S-BWR) to predict the compressibility factor and volume of these reservoir fluids.
 - Led a team of 8 through the successful design of a 7500 ton per annum of Essential Oil from lemon grass using steam distillation
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Volunteer Experiences**Graduate Student Advisory Committee**

Dec. 2019 – Present

- Maintaining communication channels and establishing meaningful programs that will foster personal and professional development of students.

Academic Research Team - Director

Aug. 2016 – Oct. 2017

- Taught my classmates and junior students the foundation of Transport Phenomena, Reaction Kinetics, Process Control, and Optimization of Chemical Process
- Organized term paper competition, debates and conferences for members of the research club

Lufthansa German Airline Design Thinking – Participant

Aug. 2017 – Sept. 2017

- Developed a prototype to solve health issues in Nigeria and continued a study in developing E-health record database and test for fake drugs in the country.
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Key Skills

- Entrepreneurship
 - Research
 - Leadership
 - Problem solving
 - Communication
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Certificates

- Good Clinical Practice – NAIIS 2018
 - Foundation for Leadership and Education Development – Soji Olaiya Foundation 2017
 - Lufthansa Sponsored Design Thinking – Lufthansa German Airline 2017
 - HSE Level 1 &2 – Deeprimex Consulting 2017
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Awards

- Gerstacker fellowship – University of Michigan
 - Overall best graduating student from the University of Lagos (CGPA 4.97/5.0)
 - Professor Harmon W. Ray prize for excellence in Reaction Kinetics
 - Lagos State scholarship award for academic excellence
 - Total Nigeria Scholarship for academic excellence
 - Exxon Mobil scholarship award for academic excellence
 - MTN Foundation science and technology scholarship award
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Interests

Energy and sustainability Engineering, Management Consulting, Entrepreneurship, Sports, Gaming, Environmental Pollution, Politics, Music, Fashion Design.

References

Available on Request