BRIGHT OSAFO ADUNU

UNIVERSITY OF ENERGY AND NATURAL RESOURCES
DEPARTMENT OF MECHANICAL & MANUFACTURING ENGINEERING
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Personal Statement

I am versatile and hardworking personality. I am currently a Principal Research Assistant in the Department of Mechanical & Manufacturing Engineering, University of Energy and Natural Resources - Sunyani.

I am also excellent in administrative role, and highly organized and efficient individual, whose systematic and precise approach to projects and tasks have yielded excellent results.

Employment History

Assistant Lecturer, University of Energy and Natural Resources – Department of Mechanical and Manufacturing Engineering – Sunyani
(July 2024 – Present)
Responsibilities:

- Teaching Computer Aided Design, I & II, Manufacturing Techology and taking students through laboratory experiments
- Supervising final year students' projects
- Research works
- Community services

Principal Research Assistant, University of Energy and Natural Resources – Department of Mechanical and Manufacturing Engineering-Sunyani
(January 2023 – June 2024)

Senior Technician, University of Energy and Natural Resources – Department of Mechanical and Manufacturing Engineering-Sunyani
(February 2018 – January 2023)

Responsibilities:

- Assisting students to carry out laboratory experiments
- Assisting lecturers and students to undertake projects
- Help in designing engineering drawings and layouts
- Assist in developing and testing of machinery and equipment.

- Installation of lab equipment for laboratory experiments
- Keeping the laboratory area organized and well stocked to improve overall productivity.

Demonstrator, University of Energy and Natural Resources – Department of Mechanical and Manufacturing Engineering, Sunyani
(February 2016 – February 2018)

Responsibilities:

- Teaching Engineering Drawing, Computer Aided Design (AutoCAD, Autodesk Inventor, Solidworks, Autodesk Fusion 360), Statics of Solid Mechanics, Thermodynamics.
- Marking and recording of assignments, mid-semester examinations
- Administrative roles (taking of minutes at meetings, writing and filing of letters)

National Service Personnel, University of Energy and Natural Resources – Department of Mechanical and Manufacturing Engineering, Sunyani
(August 2014 – August 2015)

Responsibilities:

- Assisting in Teaching Engineering Drawing, Computer Aided Design (AutoCAD, AutoCAD, Autodesk Inventor, Solidworks), Statics of Solid Mechanics, Thermodynamics.
- Marking and recording of assignments, mid-semester examinations

Internship, ADM Cocoa (now OLAM Cocoa). Kaase – Kumasi, Ghana.
(June – July,2013)

Responsibilities;

- Maintenance team- repairing of faulty machines.
- Installation of new machines.

Education

Kwame Nkrumah University of Science and Technology, Kumasi
(January, 2024 - Ongoing)

- PhD. Mechanical Engineering

Kwame Nkrumah University of Science and Technology, Kumasi
(August 2018 –November, 2021)

- MPhil. Mechanical Engineering (Thermodynamics)

Kwame Nkrumah University of Science and Technology, Kumasi
(August 2010 – June 2015)

- BSc. Mechanical Engineering (Thermo-Fluids and Energy Systems)

St. Peter's Senior High School
(September 2006 – June 2009)

- General Science

Conferences

Presenting Participant (Oral Category) – Science, Technology and Health Innovation for Sustainable Development (STHISD), Tyco City Hotel - Sunyani

- 23rd August – 25th August, 2023

Achievements

Instructor (2023) – GhiE Skills Workshop (Introduction to AutoCAD) (UENR).

Participant (Jan. 2022) – Innovative Teaching & Assessment Practices in Higher Education Training (UENR).

Instructor (2018) – Introductory Course in 3D Modelling with Autodesk Inventor (UENR).

Participant (2017) – China South-South Cooperation Project Training (UENR)

Publicity Secretary (2013-2014) – Inter-Hall Christian Fellowship (KNUST)

General Secretary (2008-2009) – Christian Union (St. Peter's Senior High School)

Technology

Software: Microsoft Office (Word, Excel, PowerPoint), AutoCAD, Autodesk Inventor,

Solidworks, Autodesk Fusion 360, Photoshop, Mendeley, Mathtype, Engineering Equation Solver (EES), Ansys Fluent.

Key Skills

Excellent communication skills, both written and verbal.
Excellent teaching skills.

Hobbies & Interests

Reading, Research, Soccer, Music.

References

Prof. Emmanuel K. Glapke
Howard University
USA
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Dr. Thomas Atta-Darkwa
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