

Randy Kofi Ansah

P.O BOX 225 Dansoman Accra-Ghana, Mobile Phone: +233557860502

randyansah97@gmail.com <https://github.com/Randyansah>

EDUCATION

University of Energy and Natural Resources

Region Program: BSc Electrical and Electronic Engineering

Academic Standing: Second Class Upper

Sunyani, Bono

Sep 2018 -Oct 2022

Aggrey Memorial A.M.E Zion Senior High School

Program: General Science

Cape Coast, Central Region

Sep 2014-May 2017

CERTIFICATES/ PROJECTS / ACHIEVEMENTS / AWARDS

- Student Inventor of the Year 2022
- SketchUp: how to start modeling simple 3D objects, Coursera Project Work, Coursera Feb 2023
- Project, Industrial Equipment control using gestures Jan 2023
- Applied Machine Learning in Python, University of Michigan, Coursera Jan 2023
- Applied Plotting, Charting & Data Representation in Python, University of Michigan, Coursera Dec 2022
- Introduction to Self-Driving Cars, University of Toronto, Coursera Oct 2022
- Deep Learning Specialization, Coursera Oct 2022
- Crash Course on Python, Coursera Oct 2022
- Device-based Models with TensorFlow Lite, Coursera Sep 2022
- Machine learning Specialization, Coursera Aug 2022
- Machine Learning Fundamentals, Udacity July 2022
- Google Project Management Specialization, Google, Coursera Jun 2022
- Electric Vehicles and Mobility, Ecoles des Ponts, Coursera Jun 2022
- State Estimation and Localization for Self-Driving Cars, University of Toronto, Coursera Jun 2022
- Engineering Project Management Specialization, RICE University, Coursera Apr 2022
- Google Cloud Big Data and Machine Learning Fundamentals, Coursera Apr 2022
- DeepLearning.AI TensorFlow Developer Professional Certificate, Coursera Apr 2022
- Top 14 Teams Finalist, Ocean Challenge, Team AQUA AI, Garage48 Apr 2022
- ROGER, AI Virtual Assistant Bot Mar 2022
- Robot Kinematics, Northwestern University, Coursera Mar 2022
- Computer Vision with Embedded Machine Learning, Coursera Mar 2022
- Introduction to Embedded Machine Learning, Coursera Mar 2022
- Hultprize Competition Semifinalist, UENR, Sunyani Feb 2022
- Computational Motion Planning, University of Pennsylvania, Coursera Feb 2022
- Foundations of Robotics Motion, Northwestern University, Coursera Feb 2022
- Aerial Robotics, University of Pennsylvania, Coursera Feb 2022
- Python Programming: A Concise Introduction, Coursera Feb 2022
- Neural Networks and Deep Learning, Coursera Dec 2021
- Machine Learning Specialization, Coursera Oct 2021
- Enactus National Competition, Project Management team member, 2nd Runner up Sep 2021
- Introduction to Packet Tracer English 1220 cga, CISCO Jan 2021
- Dean's Tech Challenge, 1st Runner Up

WORK EXPERIENCE

Graduate Electrical Engineering Trainee, Electricity Company of Ghana, Accra

Nov 2022-Present

- Assist in performing quality assurance tests like factory acceptance tests and destination inspections on newly imported goods.
- Assist in standard and specification reviews to make sure all equipment manufactured complies with ECG's specifications and also meets ISO and IEC standards
- Assisted Electrical Field Engineers in troubleshooting and fixing substation faults
- Troubleshoot, repair, and maintain substation equipment and components.
- Write a report of all activities of substation maintenance

Engineering Intern, Anointed Electrical Engineering Services Ltd, Accra

Oct 2021-Dec 2021

- Gained experience by taking part in domestic wiring training
- Designed a 5v power system circuit, Astable, and nonstable circuits to control pieces of equipment
- Supervised colleagues in the absence of the supervisor

Information Technology Engineer Intern, White Cross Chemicals, Accra

Sep 2020-Dec 2020

- Sensitized users on best practices when using hardware peripherals and software applications reducing hardware malfunctions by 50%
- Maintained and troubleshoot computers and other peripherals to avoid failure during operation.

Voluntary Teacher, Carobells Academy, Bortianor

May 2017-May 2018

- Taught integrated Science lessons that meet Ghana Education Service's standards
- Communicated with parents on the performance of educatees during Parent-Teacher meetings
- Encouraged creative thinking and motivated students by addressing individual strengths and weaknesses based on standardized syllabus

LEADERSHIP EXPERIENCE

Head, Mechatronics Interest Group, Institute of Mechanical Engineers, UENR

Oct 2021- Oct 2022

- In charge of the mechatronics special interest group to carry out projects
- Taking part in IMechE Executive Council Board meetings
- Tutor 30 students on trending technologies and how to implement them to create impactful projects

Vice President, UENR Robotics Club, University of Energy and Natural Resources

Sep 2021 – Oct 2022

- Tutor a team of 60 students on robotics-related courses during meeting hours together with my colleagues
- Sensitized members on best practices when using hardware peripherals and software applications reducing malfunctions by 50%
- Increased the number of females members and executives in the club with the help of other executives
- Prepared members for competitions with the help of other colleagues

Public Relations Officer, UENR Robotics Club, University of Energy and Natural Resources

May 2020-Sep 2021

- In charge of the club's social media accounts
- Writing communiques to convey information and announcements
- Represented the club at meetings and functions

VOLUNTEER ACTIVITIES

- Facilitator, Wan Hive Robotics Drive, UENR, Sunyani Aug 2022
- Facilitator, World Engineering Day, UENR, Sunyani Mar 2022
- IT personnel, White Cross Chemicals, Accra Jan 2021-Present
- Facilitator, STEM festival, UENR, Sunyani Aug 2021
- Facilitator, GHIE skills fair, UENR, Sunyani Mar 2021
- Facilitator, Electrical and Electronics Department Arduino Workshop, UENR, Sunyani Jan 2021
- Facilitator, Science fair, University of Energy and Natural Resources, UENR, Sunyani Feb 2020

SKILLS

- Proficient in Microsoft Word and PowerPoint
- Skilled in Autodesk AutoCAD and Autodesk AutoCAD Electrical
- Proficient in C++, Python Programming, Multisim, Revit, Dialux and MATLAB
- Skilled in Arduino and raspberry pi embedded systems
- Proficient in Printed Circuit board designing (KiCad)
- Skilled in Robotics, IOT, Artificial Intelligence, Machine Learning, and Deep Neural Networks

EXTRACURRICULAR ACTIVITIES

- UENR Robotics Club
- Enactus UENR
- IMechE UENR

HOBBIES AND INTEREST

- Volunteering, Research, Mentoring, Project Management, Event Planning, Reading science journals and articles

References are available upon request