

# Opeyemi Popoola

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Opeyemi Popoola is a dedicated and driven Sustainability Engineer, fiercely committed to transforming theoretical sustainable frameworks into actionable, impactful results. Armed with a rich educational background, Opeyemi graduated at the top of his class with a Distinction in MSc Sustainable Energy Engineering from the University of East London. His groundbreaking dissertation focused on "Unleashing the Potential of Green Hydrogen: A Comparative Analysis of Energy Transmission Efficiency," a testament to his deep expertise and innovative approach in the field of sustainable energy. Opeyemi is no stranger to the professional world, boasting two fruitful years of hands-on experience. In his role as a Sustainability Consultant at Rehoboth Agricultural Service Ltd, he specialized in carbon calculation and energy-efficient system design, aiding organizations in reducing their carbon footprint and establishing themselves as pioneers in industry sustainability. His commitment to excellence is further exemplified in his impressive roster of professional certifications, including a Professional Certificate in Introduction to Financial Conduct Authority and a Google Data Analytics Certificate, showcasing his multifaceted skills and dedication to continuous professional development. Opeyemi brings a perfect blend of technical prowess and essential soft skills to the table. His core values, discipline, openness, and empathy, are the pillars that guide his professional journey, enabling him to collaborate effectively, innovate continuously, and drive transformative solutions in the field of sustainability. With a global perspective and a versatile skill set, Opeyemi is poised to make significant contributions to the sustainability transition, marking his territory as an impactful change-maker dedicated to fostering a sustainable future.

## EDUCATION

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**University of East London, London, UK** -- MSc. Sustainable Energy Engineering (31/08/2022 - 18/09/2023)

Graduated with a Distinction and top of my class Dissertation: Unleashing the Potential of Green Hydrogen: A Comparative Analysis of Energy Transmission Efficiency. Modules Included: Thermo-Mechanical Energy Conversion, Environmental Impact Analysis, Renewable Energy Systems and Mental Wealth in Professional Life.

**Elizade University** -- BEng. Mechanical Engineering (31/08/2014 - 31/08/2023)

Dissertation: Development of Magnetic Levitation: Cable Cart. Modules Included: Engineering Mechanics, Thermodynamics, Fluid Mechanics, Materials Science and Engineering and Machine Design.

## WORK EXPERIENCE

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**03/06/2022 - 31/04/2023**

**Sustainability Analyst** [Rehoboth Agricultural Service Ltd]

Report to C-level executives on impact assessment results and propose recommendations which directly resulted in the organisational strategy implementation and reform. Collected data from various farms, processing units, and supply chain nodes to create a comprehensive database for sustainability metrics. Designed organisational sustainability KPIs and Produced monthly dashboards and reports showcasing the carbon reduction achievements and areas of concern, which informed the company's sustainability strategies. Conducted comprehensive carbon emissions analysis, achieving 15% reduction in net carbon footprint. Assisted in the development of a proprietary tool using MatLab/Python to simulate the environmental impact of different

operational scenarios, helping the management team make data-driven decisions. Conducted comprehensive environmental impact assessments for 20+ agricultural projects.

**31/03/2021 - 31/08/2022**

**Research Assistant** [Student Eco-Friendly Centre]

- Implemented and monitored over 15 different sustainable environmental programs which resulted in 90% sustainability awareness amongst students and staff of the university. - Performed controlled survey and data collection on transitioning to electric-powered vehicles, this data were key in developing a business case for implementation of the project. - Actively participated in a biodigester optimization research project increasing the overall capacity of the digester to 5000?. - Assisted in setting up an electric vehicle retrofitting workshop which resulted in a 18% carbon emission reduction on the campus. - Mentored student volunteers in the sustainable energy sector, resulting in implementation of more sustainability programs and schemes.

**31/01/2019 - 31/08/2023**

**Engineer and Administrative Assistant** [Naval Shipyard Limited]

Executed technical reviews and presented results to senior management while facilitating the periodic maintenance of military vehicles. Guided in the design, computer aided analysis and fabrication of navy houseboats (NNS 023 and NNS 028). Performed process development research for the organisation and came up with a systematic, partially automated work process which resulted in major improvement in project quality and delivery speed two times faster than the previous process.

## CERTIFICATES

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## SKILLS

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**Hard Skills:**

**Soft Skills:**