



Elhassan
BENEMMANE

Renewable Energy
Engineering

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📍 United Kingdom

SUMMARY

- Hands-on experience in Renewable Energy projects
- Associate Member of the IET & Affiliate IMechE (IEng - In Progress)
- Demonstrated Leadership and Project Management skills.
- Trilingual in English, French, and Arabic with leadership skills.

EDUCATION

09/2022 - Present	BEng (Hons) Renewable Energy Engineering - First Class Honours Southampton Solent University, United Kingdom
01/2022 - 08/2022	S.T.E.M International Foundation Programme Southampton Solent University & QAHE, United Kingdom
09/2019 - 06/2021	D.U.T eq. HND Renewable Energy and Energy Efficiency The Superior School of Technology in Beni Mellal, USMS (Sultan Moulay Slimane University)
09/2018 - 07/2019	Technical Baccalaureate (French) in Electrical Sciences and Technologies Technical High School Jaber Bnou Hayyan

INTERNSHIPS AND ACADEMIC EXPERIENCE

09/2024 - Present	Decentralized Energy Management in Morocco: Integrating Blockchain, Smart Contracts, and Policy Frameworks for Sustainable Energy Integration Southampton Solent University ↗
05/2024 - 09/2024	Assistant Manager Internship - MOBENOM GROUP LLC MOBENOM GROUP S.A.R.L - Laayoune, Morocco ↗
06/2023 - 09/2023	Engineering Internship - ONEE Department of Study and Works ONEE (National Office of Electricity and Drinking Water) - Laayoune, Morocco ↗
04/2021 - 06/2021	Maintenance Supervisor Internship - ENGIE & Nareva Holding (TAREC 301MW Wind Farm) TAREC's Wind Farm (ENGIE & Nareva Holding) - Casablanca and Tarfaya, Morocco ↗
12/2020 - 06/2021	Academic Research Experience - Elaborating a Human Machine Interface to supervise the Solar Park of the Superior School LITA LAB, The Superior School of Technology, USMS (Sultan Moulay Silimane University) - BM, ↗ Morocco

CERTIFICATES

11/2024 - Present	Affiliate Member - IMechE Membership Number: 80758004 - Institution of Mechanical Engineers (IMechE)
11/2024 - Present	Energy Audits ↗ Schneider Electric
12/2022 - Present	Associate Member - IET Membership Number: 1101130748 - Institution of Engineering and Technology (IET)
05/2024 - 07/2024	IBM AI Engineering Professional Certificate Specialization ↗ IBM
12/2023 - 01/2024	Hydro, Wind & Solar power: Resources, Variability & Forecast ↗ Paris PolyTechnic School, L'X
11/2023 - 01/2024	Strategic Management and Innovation Specialization ↗ Copenhagen Business School
10/2023 - 01/2024	Managing Major Engineering Projects Specialization ↗ University of Leeds
11/2023 - 12/2023	Managing and Managing People ↗ The Open University

PROJECTS

08/2024 - Present	600kW Hybrid Private Power Plant Project for a Fish Processing Facility In Progress - MOBENOM GROUP LLC - Morocco
07/2024 - 10/2024	128kWp Solar Design and Installation for a Restaurant in Dakhla MOBENOM GROUP LLC - Morocco
06/2024 - 07/2024	CO2 Emissions Prediction for Vehicles Using Regression Models IBM
01/2024 - 05/2024	Consultancy Report on Optimal Horizontal Axis Wind Turbine Selection for TAREC Wind Farm SSU - Consultancy Report
01/2024 - 05/2024	Consultancy Report on Wave Energy Systems at the Isle of Lewis Consultancy Report
12/2023 - 05/2024	Consultancy Report on Solar Energy System Design and Optimization SSU - Consultancy Report
10/2023 - 01/2024	Capstone Project on UK High-Speed Rail (HS2) University of Leeds & Coursera
09/2023 - 01/2024	Environmental Impact Assessment EIA - Solent Energy Gateway Study Solent Energy Gateway Project
06/2023 - 09/2023	Diagnosis of the Impact of a Solar Park on the Medium Voltage Grid National Office of Electricity and Drinking Water
12/2022 - 03/2023	Material Selection and Manufacturing of Wind Turbine Blades SSU - Consultancy Report
04/2021 - 06/2021	Detecting and Locating Electrical Faults in MV Underground Cables of TAREC's Wind Farm TARFAYA Wind Farm - ENGIE & NAREVA Holding
01/2021 - 04/2021	Consultancy Report on Sizing a Biomass Biogas Plant The Superior School of Technology - USMS University
12/2020 - 06/2021	Elaborating an HMI to Supervise The Production of The Solar Park at The Superior School The Superior School of Technology - USMS University
09/2020 - 03/2021	Energy Efficiency Assessment in Buildings The Superior School of Technology - USMS University

ACADEMIC AND PROFESSIONAL SHOWCASES

01/2024	Poster Presentation - Maximizing Efficiency of Horizontal Axis Wind Turbines (HAWTs) The Spark, Southampton Solent University
07/2022	Poster Presentation - Sustainable Batteries The Spark, Southampton Solent University & QAHE
06/2021	Elaborating a Human Machine Interface to Supervise The Solar Park of The Superior School Presentation - LITA LAB, The Superior School of Technology - USMS University
06/2021	Detecting and Locating Electrical Faults in MV Underground Cables of TAREC's Wind Farm Presentation - LITA LAB, The Superior School of Technology & TARFAYA Wind Farm

AWARDS AND ACHIEVEMENTS

09/2022	Excellence Award - 20% OFF Tuitions QAHE
06/2022	Most Dedicated Student QAHE & Solent University
01/2007	National Champion in Sino-Vietnamese Martial Arts – 14 Titles Consecutively (2007–2016) Royal Moroccan Federation of Judo and Martial Arts - Category: Combat Fighting and Kata

SKILLS

Analytical Decison-Making	Project Management
Stakeholder Engagement	Leadership
Trilingual	Engineering Software

LANGUAGES

English	Fluent	Arabic	Native
French	Fluent		

REFERENCES

Dr. Shehu Yushau - BEng, MSc, PhD, MIET

Lecturer In Engineering

Dept of Science & Engineering - Southampton Solent University

shehu.yushau@solent.ac.uk

Supervisor & Lecturer - Known for 2 years

Dr. Sinan Khwandah - UCU Vice President, PhD, MSc (Wireless), MSc (Networking), PGDip (Automation), BSc (Hons), SFHEA, CCNA, CENG (5G), MIET, MIEEE

Lecturer In Engineering

Dept of Science & Engineering - Southampton Solent University

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Lecturer - Known for 2 years