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ABOUT ME

I am a passionate electro-mechanical engineer. I am driven to design and build innovative industrial machines, sustainable products, and advanced manufacturing systems, including solutions for recycling and complex structures. My global mindset and adaptability fuel my goal to become a design engineer, where I aim to create efficient and impactful technologies that push the boundaries of modern engineering.

EDUCATION AND TRAINING

BACHELOR OF ENGINEERING

UNIVERSITY OF BUEA (Under the traineeship of University Institute of the Coast, IUC) [21/09/2021 – 16/07/2025]

City: Douala | Country: Cameroon | Website: <https://myiuc.com/en/home-en/> <https://www.ubuea.cm/> | Field(s) of study: Electromechanical Engineering | Level in EQF: EQF level 6 | Type of credits: SCH and Quarter credits | Number of credits: 274 | Thesis: WRITE TOPIC OF END OF YEAR THESIS / PROJECT HERE

Technician Diploma

CETI BILINGUAL NGUEUGA [04/09/2017 – 18/08/2018]

City: Douala | Country: Cameroon | Field(s) of study: Sheetmetal and metallic construction | Level in EQF: EQF level 4

Certificate of Professional Aptitude

CETI BILINGUAL NGUEUGA (Write name in full) [12/09/2014 – 20/08/2015]

City: Douala | Country: Cameroon | Field(s) of study: Sheetmetal work | Final grade: Write value of CGPA here | Level in EQF: EQF level 3

Give a brief explanation of what you did here.

WORK EXPERIENCE

INSTITUT UNIVERSITAIRE DE LA COTE (IUC) – Douala, Cameroon

Junior Electromechanical Engineer

[01/08/2024 – Current]

- Design, simulation and fabrication of a Maize sheller; **Local farmer Project.**
- Design and fabrication of a Cocoa drying machine; **Local farmer Project.**
- Design, simulation and fabrication of a semi automated bar soap production line for SMEs in Cameroon; **Bachelors degree project .**

NET ENGINEERING – Douala, Cameroon

Design engineer Intern

[10/07/2023 – 11/09/2023]

- maintenance of equipment.
- Design and fabrication of a palm kernel shell crusher for the production of composite material for floor tiles, **Construction Project.**

 **DANGOTE CEMENT CAMEROON** – Douala, Cameroon

Mechanical Intern

[12/07/2022 – 11/09/2022]

- maintenance of equipment.
- Mechanical fabrication.
- Inspection of equipment.

 **SMS CAMEROUN** – Douala, Cameroon

Pipe fitter/Boiler maker

[20/06/2021 – 29/09/2021]

- Piping on Hotel & Alpha Platforms; **ADDAX PETROLEUM Project.**
- Construction of ESSEC Steel Frame; **University of Douala Project.**

 **NET ENGINEERING** – Douala, Cameroon

Pipe fitter/Boiler maker

[19/09/2019 – 23/10/2020]

- Construction and installation of a Metallic Roof Truss.
- Construction and installation of a Metallic Office G+1.
- Construction and installation of an Industrial Mixer.

 **SMS CAMEROUN** – Douala, Cameroon

Pipe fitter/Boiler maker

[06/03/2019 – 27/07/2019]

- Construction of Metallic Platform Extension; **SONARA (in full) Project.**
- Construction of Risers and Pipe Clamps; **PERENCO (in full) Project.**

PROJECTS

[15/09/2024 – 06/06/2025]

Design and fabrication of a semi automated soap production line for SMEs in Cameroon Driven by a passion for practical engineering that serves my community, I spearheaded a project to design and build a semi-automated soap production line. I saw an opportunity to empower local Cameroonian soap-makers by creating affordable, scalable technology that replaces slow, manual methods. From the initial sketches to the final assembly, I focused on making the machine easy to use, maintain, and repair locally. The recognition of this work with a national 1st Prize was a proud moment, but the real reward is knowing this innovation helps small businesses increase their output, improve consistency, and create more jobs in our community.

[12/02/2025 – 13/09/2025]

Design and Realization of a Cocoa Dryer (Charcoal Heat Source) I designed and built a practical, cost effective cocoa dryer to address a key challenge faced by local farmers: efficiently and affordably drying cocoa beans after harvest. By utilizing charcoal a readily available and economical fuel source in the region the solution significantly reduces drying time and improves product quality compared to traditional sun drying methods. This project focused

on robust, locally sourced materials and an intuitive design, empowering farmers with a reliable tool to enhance their productivity and income.

[10/06/2024 – 12/09/2024]

Design and Fabrication of an Advanced Electronic Direct Online (DOL) AC Motor Starter This project involved the end to end design and fabrication of a robust electronic motor starting solution to address the operational challenges faced by industrial equipment in environments with unstable electrical supply to protect the motors from overload.

[09/08/2024 – 16/10/2024]

Design and Fabrication of a Corn Shelling Machine Designed and fabricated a corn shelling machine to automate grain separation, significantly improving processing efficiency and supporting local agricultural productivity.

[15/05/2022 – 18/06/2022]

Design and Fabrication of an Electric Hoist Designed and fabricated an electric hoist with enhanced safety mechanisms and increased load-handling capacity, improving reliability and operational safety for lifting applications.

HONOURS AND AWARDS

[16/07/2025] Ministry of Scientific Research and Innovation (MINRESI) of Cameroon.

1st Prize for Innovations from the Littoral Region. This is an **official certificate of achievement and recognition** issued by the Republic of Cameroon to honor excellence in applied technological innovation. The award was presented during the **9th Edition of the Week of Excellence in Scientific Research and Innovation in Cameroon (JERSIC 2025)**. This is a major national event designed to showcase and reward the best scientific and technological work in the country.

SKILLS

Engineering Design & Technical Skills

Working knowledge of piping elements, piping calculations, and design of piping connections. / Mechanical design expertise. / Ability to design, simulate, and analyze models. / Electronic board design. / CNC plasma and router control. / plc programming in siemens

Technical Interpretation & Drafting

Dependable, easily adaptable to change. / Ability to read and understand mechanical drawings.

Interpersonal & Professional Skills

Good communicator. / Proven team player, with experience as an active member of youth associations. / Able to work effectively under pressure.

Industry-Specific Knowledge

Capacity for quick adaptation. / Familiar with the oil and gas industry. / Ability to read and understand electrical and electronic schematics.

DIGITAL SKILLS

MS PowerPoint / Proteus / SolidWorks / AutoCAD / MatLab / MS Excel / MS Word / EasyEDA / MS Project

CERTIFICATIONS

[Microsoft, 18/02/2023]

Microsoft Office Specialist (MOS) Excel Certification The **MOS (Microsoft Office Specialist) Excel certification** is a globally recognised credential that validates an individual's skills in using Microsoft Excel. It's not about simply knowing what Excel is; it's a proven benchmark that you have the expertise to use the program's core and advanced features effectively and efficiently.

Mode of learning: Project based

[Microsoft, 01/05/2022]

Microsoft Office Specialist (MOS) PowerPoint Certification The **MOS (Microsoft Office Specialist) PowerPoint certification** is a globally recognized credential that validates an individual's skills in creating, designing, and delivering dynamic and professional presentations using Microsoft PowerPoint. It proves you can go beyond just adding text to slides and demonstrates a comprehensive understanding of the software's features to produce effective, visually compelling, and engaging presentations.

Mode of learning: Project based

[National Maritime Authorities & Coast Guards, 18/06/2021]

SEA SURVIVAL Sea survival refers to the strategies, knowledge, and skills used to stay alive at sea after a maritime disaster (e.g., ship sinking, plane ditching). It is one of the most demanding and perilous survival situations due to the combination of environmental threats like cold water, dehydration, and isolation. The goal is not to live comfortably but to **preserve life until rescue arrives**.

Mode of learning: Blended

[OPITO, 17/06/2021]

International Minimum Industry Safety Training (IMIST) IMIST is a globally standardised safety training program designed for the **oil and gas industry**. Its primary purpose is to ensure that all personnel, regardless of their employer or nationality, have a consistent and fundamental understanding of critical safety principles before entering a worksite.

Mode of learning: Online

[SOLIDWORKS, 10/12/2025]

Certified SOLIDWORKS Associate A foundational certification demonstrating proficiency in core SOLIDWORKS modeling techniques, including part and assembly creation, basic drawing annotation, and fundamental engineering principles. It validates the ability to design and analyze parametric parts and movable assemblies

Mode of learning: Blended

[SOLIDWORKS, 11/12/2025]

Certified SOLIDWORKS Professional An advanced professional certification validating expert-level skills in complex part modeling, assembly management, and design change resilience. It demonstrates a deep understanding of robust modeling techniques, design intent, and the ability to efficiently create multiple configurations of components.

Mode of learning: Blended

LANGUAGE SKILLS

Mother tongue(s): Mungaka

Other language(s):

English

LISTENING C1 READING C1 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

French

LISTENING B2 READING B1 WRITING A2

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HOBBIES AND INTERESTS

Designing I truly enjoy the creative and technical process of bringing new concepts to life, whether I'm working on graphics, product ideas, or digital media. This passion allows me to use my strong visualization skills and attention to detail to solve problems in innovative ways. For me, designing is about turning ideas into tangible solutions, and I'm always eager to take on new challenges that push me to think differently.

Sport I am deeply committed to maintaining my physical fitness through regular sports, which has taught me discipline and the true value of teamwork. Facing challenges on the field has built my resilience and ability to perform under pressure, while setting and achieving athletic goals strengthens my determination. This active lifestyle is fundamental to my overall physical and mental well-being.

Traveling I am deeply curious and have a strong desire to explore new cultures, environments, and perspectives. Through this hobby, I continuously develop my adaptability and independence while gaining a broader understanding of the world. It reflects my open-minded and adventurous spirit, driving me to seek out new experiences and grow personally with every journey I take.

ACHIEVEMENTS

[06/07/2025 - Current]

Member of the Cameroon National order of Mechanical Engineers

The **National Order of Mechanical Engineering in Cameroon** (Ordre National des Ingénieurs Mécaniciens du Cameroun) is the official professional regulatory body for mechanical engineers in the country. Its primary purpose is to oversee the profession, ensure ethical standards, and promote the development of mechanical engineering for the nation's benefit.