



SAMUEL WAEMA

GRADUATE ENGINEER

CONTACT

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Nairobi, Kenya

EDUCATION

KENYATTA UNIVERSITY

- Bachelor of Science
Aerospace Engineering

SKILLS

- Project Management
- Teamwork Time
- Management
- Leadership
- Effective Communication
- Critical Thinking

REFERENCES

- Available upon request

PROFILE

I am a graduate engineer with a passion for applying innovative solutions to real-world challenges and creating a positive impact on society. Known for being hardworking, self-motivated, and detail-oriented, I thrive in dynamic environments that demand precision and creative problem-solving. My experiences have sharpened my ability to tackle complex tasks while maintaining a strong focus on quality and results. I value collaboration and bring a team-first mindset to every project, believing that diverse perspectives and collective effort are key to meaningful progress.

KNOWLEDGE GAINED

- Material Science
- Workshop Practice and Processes
- Fluid Mechanics
- Solid and Structural Mechanics
- Thermodynamics
- CAD Design (AutoCAD, SolidWorks)
- Design of Machine and Machine Elements
- Control Systems
- Telecommunications
- Gas Dynamics and Propulsion
- Vehicle System Design
- Project Management
- Refrigeration and Air Conditioning
- Manufacturing Processes
- Electrical Engineering Principles

EXPERIENCES

Kenya DEFTEC - Course Lab Work (April 2017, April 2018)

- As part of my degree coursework on aircraft flight dynamics, I received instruction from DEFTEC instructors at Embakasi Garrison. My practical lab work included studying aircraft wing profiles, disassembling a Rolls-Royce MK851 powerplant, and analyzing the Hawk MK52 and Bulldog training aircraft.

Kenya Police Air Wing - Industrial Attachment (May-July 2017)

- I was assigned to the technical maintenance crew at the Kenya Police Air Wing at Wilson Airport, where I assisted in the routine maintenance of their Mi-17, AW-119 and AW-139 helicopters on rotation at the time.

Facilities Assistant Manager (2020-2023)

- I assisted in the supervision and coordination of scheduled repairs for plumbing, electrical systems, and entertainment systems at Waikiki Beach Resort and Cheers Guest House, located in Mlolongo, Machakos County. I was also responsible for maintaining stock records, reviewing cashier reports, and managing the daily deposit of revenue collected at the bar and restaurant cashier desks.

Kenyatta University Aerospace Students Association (2017-Current)

- In my third year at Kenyatta University, I was a founding member of the departmental association that was formed to support the Aerospace Engineering program and increase student exposure to the aerospace industry. We organized talks by leading professionals in engineering and aeronautics, mentored junior students on academic projects, and collaborated with faculty to address student concerns and enhance departmental resources.