



# SAMUEL WAEMA

## GRADUATE ENGINEER

### CONTACT

+254727441465

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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

#### Brian Muga

Line Maintenance Engineer,  
Airtrack Aviation LTD

Phone: +254 702 707277

Email: brianbrifams@gmail.com

#### Mark Maina

Head of Business Development &  
Strategy, Bean Interactive Limited

Phone: +254 714 438009

Email: markmaina76@gmail.com

### PROFILE

I am a graduate engineer who's always looking for new and innovative ways to use the knowledge and skills I have learnt along the way to have a positive impact on society. I am a hardworking, diligent and self-motivated individual who has gained a meticulous attention to detail through my experiences and learning, and I enjoy facing and overcoming tough challenges. My collaborative nature enables me to seamlessly integrate into any environment I am in, where I look forward to leverage collective strengths to achieve shared goals. I have developed a deep appreciation for the intricacies of teamwork and the value of diverse perspectives.

### 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)

- I was taught by the instructors at DEFTEC, Embakasi Garrison, as part of my degree coursework on aircraft flight dynamics, and did practical lab work on aircraft wing profiles for my course study. I also got to disassemble a Rolls Royce MK851 powerplant, as well as analysis of 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 was responsible for the procurement of electric meters, PVC piping and accessories, electric generators, and furniture during regular maintenance and refurbishment of lodging rooms of Waikiki Beach Resort and Cheers Guest House located in Mlolongo, Machakos County.
- I supervised scheduled repairs of plumbing, electrical systems and entertainment systems used by the hotels.
- I was responsible for the maintenance of stock records, review of cashier records, and handled the deposit of money earned at the cashiers' desk daily for the bar & restaurant sections.

#### Kenyatta University Students Association (2017-Current)

- I was a founding member of the students' association in my 3rd year at Kenyatta University, where there was a need for an advocacy group for the Aerospace department. We scheduled speaking events with leading figures in the Engineering and Aeronautical sector, assisted with school projects of our younger colleagues, as well as advocated for the general welfare of the students in the department with the school's management.