



WANJAWA FRANDEL

ENGINEER, PROGRAMMER

ABOUT

Frandel is a remarkably talented and multifaceted individual with expertise spanning embedded systems, web development, electrical and electronic troubleshooting, project management, agriculture, and engineering. Towering in both stature and skill, I approach every endeavor with a relentless passion for innovation, problem-solving, and excellence. For me, it's never just about completing a task—it's about elevating it to extraordinary heights, adding a signature touch of brilliance to every project. Fueled by an unwavering commitment to mastery, Frandel embodies the art of transforming ideas into groundbreaking realities.

PROJECTS

- Agri X cubesat
- Tafiti cubesat
- Aviator bot.
- Project humanity.[Data analysis on UN and KNBS data].
- Smart Baby Crib.
- Smart Limiter.

WORK EXPERIENCE

- **Kenya Space Agency [Tafiti Project]** Jan 2024 - present
Communication subsystem lead
 - Develop a suitable implementation framework and work plan for the communication subsystem.
 - Lead, mentor, and manage a high-performing engineering students team, fostering a collaborative and results-driven work environment.
 - Co-designed and implemented the communication circuitry for a nano satellite and proofed firmware for the communication subsystem.
- **Egypro EA limited** Jan 2023 - May 2023
Engineering Intern
 - Realtime mitigation of electrical and mechanical faults in booster stations owned by Safaricom.
 - Preemption of needs of various booster sites.
- **Gearbox EA and Fedha Electrics** Jan 2022 - May 2022
Engineering Intern
 - Co-developed smart solutions addressing human challenges including smart water hub and smart speed limiter.
 - Co-developed firmware for hardware designed by other engineers.
- **Kenya National Bureau of Statistics** July 2018 - Sept 2018
Census Enumerator
 - Handled and relayed data from respondents.

AWARDS AND CERTIFICATION

- Robotics Dojo.(2023)-JKUAT JICA
- Society of Engineering Students design competition.(2022)
- Introduction to Cybersecurity-2024 Cisco
- Cubesat Training- 2024 ASI KSA

CONTACT

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LANGUAGES

C++
Python
Php
Embedded C
Javascript
Pascal
Java
Postgresql
MySQL
Matlab
Assembly language

FRAMEWORKS

Vite
Django
GraphQL
React
Selenium

MICROCONTROLLERS

- Arduino boards.
- STM32 boards.
- ESP32 boards.
- 8085 processor.
- Raspberry Pi.



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TOOLS

Kicad
EasyEDA
Github
Docker
Vs code
Proteus
Pycharm

SKILLS

- Project Management.
- Teamwork.
- Leadership.
- Efficiency.
- Critical Thinking.
- Design Thinking.
- Problem solving.

LANGUAGES

- English (Fluent)
- Swahili (Fluent)

EDUCATION

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

2019 - PRESENT

BSc. ELECTRONIC AND COMPUTER ENGINEERING

- Final year, final semester

FRIENDS SCHOOL KAMUSINGA

2015 - 2018

KENYA CERTIFICATE OF SECONDARY EDUCATION

- A-(MINUS)
- Mathematics, English, Kiswahili, Physics, Chemistry, Biology, Geography and Christian Religious Education.

THE KING DAVID PREPARATORY - KOLANYA

2014

KENYA CERTIFICATE OF PRIMARY EDUCATION

- 400 marks.
- Mathematics, English, Kiswahili, Science, Social Studies and Christian Religious Education.

REFERENCE

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