WANJAWA FRANDEL
ENGINEER, PROGRAMMER

CONTACT

📞 +254-729-634366

✉ frandelwanjawa19@gmail.com

✉ frandelwanjawa@yahoo.com

📍 Nairobi, Kenya

🌐 https://github.com/franfreezy

🌐 https://devfreezy.netlify.app

🌐 https://www.linkedin.com/in/frandel-wanjawa/

LANGUAGES

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

FRAMEWORKS

Vite
Django
GraphQL
React
Selenium

MICROCONTROLLERS

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

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

Tethics Electrics Grp. — Apr 2025 - Present
CEO and Co-Founder

- Leading a team of developers to build cutting-edge solutions that address real-world challenges.

Kenya Space Agency [Tafiti Project] — Jan 2024 - Mar 2025
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 hardweare designed by other engineers.

Kenya National Bureau of Statistics — July 2018 - Sept 2018
Census Enumerator

- Handled and relayed data from respondents.

WANJAWA FRANDEL

ENGINEER, PROGRAMMER

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)
- Mandarin(Basic)
- Italian (Intermediate)

EDUCATION

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY   2019 - 2025
BSc. ELECTRONIC AND COMPUTER ENGINEERING
- Second class Honors (Upper)

FRIENDS SCHOOL KAMUSINGA   2015 - 2018
KENYA CERTIFICATE OF SECONDARY EDUCATION

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

THE KING DAVID PREPARATORY - KOLANYA   2014
KENYA CERTIFICATE OF PRIMARY EDUCATION

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

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
- Getting Started with AI- 2025 IBM
- Building your first chatbot- 2025 IBM
- Fing IT professional- 2024 Fing

REFERENCE

Omwamba John Kebari
Urban Planning Officer, UN Habitat
Phone: +254-720-548208
Email : john.omwamba@un.org

Njeru Manegene
Lecturer ECE JKUAT
Phone: +254-722-540555
Email : njeru.manegene@jkuat.ac.ke