



DONATUS OMONDI

ELECTRICAL AND
ELECTRONICS ENGINEER

CONTACT INFO

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Nairobi, Kenya

EDUCATION

Sep 2019 - June 2024
Bachelor's Degree Electrical and
Electronics Engineering
University of Nairobi

2015 - 2018
Maranda High School
Grade: A-

2007 - 2014
St. Hannahs Preparatory School
Grade: A

LANGUAGES

English
Swahili

REFEREE

oscaror@uonbi.ac.ke

PROFILE

I am an Electrical and Electronics Engineer passionate and practical about Programming, Electronics and Embedded Systems.

EXPERIENCE

- JUL 2024 - PRESENT **GRADUATE TRAINEE**
Geviton Enterprises Ltd.
Part-time
Development of firmware for STM32, RP2040 and ESP8266 based boards using C and Micropython
- OCT 2023 - MAY 2024 **STUDENT INTERN EMBEDDED FIRMWARE ENGINEER**
Geviton Enterprises Ltd.
Part-time
Development of firmware for STM32, RP2040 and ESP8266 based boards using C and Micropython
- JUNE 2023 - OCT 2023 **STUDENT ON ATTACHMENT EMBEDDED SYSTEMS ENGINEER**
Geviton Enterprises Ltd.
Full-time
Involved in development of hardware solutions. Responsibilities include pcb assembly in SMT line, assembly of final product in enclosures, firmware development for STM32, RP2040 and ESP8266 based boards
- AUG 2022 - MAY 2023 **STUDENT ON ATTACHMENT ELECTRICAL TEAM**
Tafiti Nanosatellite
Part-time
Development of the ADCS Subsystem of the KSA-funded Tafiti 3U CubeSat
- JUN 2022 - AUG 2022 **STUDENT ON ATTACHMENT**
Gearbox
Part-time
Created a **flask server** running on a raspberry pi on the local area network to handle user registration and image uploads. These images were used to train the AI module for face recognition access

OTHER WORK

- FEB 2023 **Battery Charge Control**
Used Raspberry Pi Pico W to **automate charging** of a laptop through sub-net requests to flask server running in laptop to protect remote devices.
- SEPT 2021 - AUG 2021 **Fulfilment & Expense Track**
Created a **web application** to track deliveries, partial payments by customers to deliveries, expenses incurred by business and business intertransactions using Python, Flask and Javascript. This is currently being used by 3 businesses
- JULY 2021 **Flask-dt python package**
Published a package to PYPI to **dynamically display table records** on user defined routes.

LICENSES & AWARDS

- MAY 2024 **Student Award**
9th Position in Nairobi Innovation Week Uon Exhibitors Award
- AUG 2022 **HCIA Datacom**
Huawei Certified ICT Associate Certificate
- SEPT 2022 **Student Award**
Awarded best Male 2nd Year Electrical and Electronic Engineering Student for the year 2020 - 2021

PROFESSIONAL SKILLS

C
PYTHON
KICAD
LINUX
GIT CLI & GITHUB

INTERESTS

</>Programming 🎮Gaming ⚙️Robotics