DONATUS OMONDI

ELECTRICAL AND
ELECTRONICS ENGINEER

CONTACT INFO

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- dona.omondi@gmail.com
- Github
- LinkedIn
- Nairobi, Kenya

EDUCATION

Sep 2019 - June 2024
Bachelor's Degree Electrical and
Electronics Engineering
University of Nairobi
Award: Second Class Honours
Upper Division

2015 - 2018
Maranda High School
Grade: A-

2007 - 2014
St. Hannahs Preparatory School
Grade: A

LANGUAGES

English

Swahili

REFEREE

- oscaror@uonbi.ac.ke
- Website

PROFILE

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

EXPERIENCE

FEB 2025 - PRESENT
Geviton Enterprises Ltd.
Full-time

EMBEDDED SYSTEMS ENGINEER
Development of firmware for STM32, RP2040 and ESP8266 based boards using C and Micropython
Development of scripts to test, monitor and calibrate boards using raspberry pi zero 2W
PCB Design

JUL 2024 - JAN 2025
Geviton Enterprises Ltd.
Full-time

GRADUATE TRAINEE
Development of firmware for STM32, RP2040 and ESP8266 based boards using C and Micropython
PCB Design

OCT 2023 - MAY 2024
Geviton Enterprises Ltd.
Part-time

STUDENT INTERN EMBEDDED FIRMWARE ENGINEER
Development of firmware for STM32, RP2040 and ESP8266 based boards using C and Micropython

JUNE 2023 - OCT 2023
Geviton Enterprises Ltd.
Full-time

STUDENT ON ATTACHMENT EMBEDDED SYSTEMS ENGINEER
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
Tafiti Nanosatellite
Part-time

STUDENT ON ATTACHMENT ELECTRICAL TEAM
Development of the ADCS Subsystem of the KSA-funded Tafiti 3U CubeSat

JUN 2022 - AUG 2022
Gearbox
Part-time

STUDENT ON ATTACHMENT
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

NOV 2024
Acceleration Award

Acceleration Award on winning project on respective challenge on Next Generation Digital Action by DTU Skylab

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	C++
PYTHON	KICAD
LINUX	GIT

INTERESTS

</> Programming   Gaming   Robotics