



DONATUS OMONDI
ELECTRICAL AND
ELECTRONICS ENGINEER

CONTACT INFO

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🐙 [Github](#)
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📍 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 **EMBEDDED SYSTEMS ENGINEER**
Geviton Enterprises Ltd.
Full-time
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 **GRADUATE TRAINEE**
Geviton Enterprises Ltd.
Full-time
Development of firmware for STM32, RP2040 and ESP8266 based boards using C and Micropython
PCB Design

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

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	<div></div>	C++	<div></div>
PYTHON	<div></div>	KICAD	<div></div>
LINUX	<div></div>	GIT	<div></div>

INTERESTS

</>Programming 🎮Gaming ⚙️Robotics