



DONATUS OMONDI

ELECTRICAL AND
ELECTRONICS
ENGINEERING STUDENT

CONTACT INFO

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Github
LinkedIn
Nairobi, Kenya

EDUCATION

2019 - May 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

2023 - June 2024*
ALX Software Engineering

LANGUAGES

English
Swahili

REFEREE

oscaror@uonbi.ac.ke

PROFILE

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

EXPERIENCE

OCT 2023 - PRESENT **STUDENT INTERN EMBEDDED FIRMWARE ENGINEER**
Geviton Enterprises Ltd.
Part-time
Development of firmware for RP2040 and ESP8266 based boards using 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 using stm32 and Raspberry Pi Pico W

AUG 2022 - MAY 2023 **STUDENT ON ATTACHMENT ELECTRICAL LEAD**
Tafiti Nanosatellite
Part-time
Development of the pcb design 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. Link:

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

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

PYTHON	<div></div>
FLASK	<div></div>
JAVASCRIPT	<div></div>
HTML & CSS	<div></div>
C++	<div></div>
GIT CLI & GITHUB	<div></div>
FRITZING	<div></div>

INTERESTS

Gaming Programming Robotics Cooking