# CURRICULUM VITAE

## PERSONAL DATAILS

**Full Name:**          TOM OMOLLO ALANDO

**Date of Birth:**      25$^{TH}$  SEPTEMBER 2003

**Nationality:**        KENYAN

**ID Number:**          41720220

**Gender:**             MALE

**Marital Status:**     SINGLE

**Languages:**          ENGLISH, KISWAHILI AND LUO

**Religion:**           CHRISTIAN

**Physical Address:**   DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY

ALONG NYERI – MWEIGA ROAD P.O. BOX 657-10100,

NYERI-KENYA

**Home Address:**    KIBERA, AYANY ESTATE,

Guardian: +254 722 456 719, Parent (Mother): +254 700 083 024,

P. O. BOX 120-20400, NAIROBI- KENYA.

**Email:**              tom.alando22@students.dkut.ac.ke, alandotom631@gmail.com

**Mobile Number:**    +254 796 667 407

## PROFILE STATEMENT

God fearing, loyal and hardworking gentleman, as well as self-motivated team leader   focused in delivering the best with great time management and always passionate to learn new skills.

## CARRER OBJECTIVES

To use my knowledge and skills with commitment and efficiency for the betterment of the organization and the society at large, to myself both professionally and attitude wise so as to achieve set goals.

## PROFFESIONAL AND EDUCATION BACKGROUND

| Level | Year | Institution | Award |
|---|---|---|---|
| Undergraduate | 2022 to date | Dedan Kimathi University of Technology P. O BOX 657-10100 Nyeri, Kenya | Bachelor's Degree of Science in Geospatial Information Science and Remote Sensing |
| Secondary Education | 2018-2022 | Chianda Boys High School P. O. BOX 14-40604 Rageng'ni, Kenya | Kenya Certificate of Secondary Education (KCSE)  B+ (plus) 67/84AGP |

| Primary Education | 2017-2017 | Oseno Primary school P. O. BOX 99– 40600 Siaya, Kenya | Kenya Certificate of Primary Education (KCPE) 338/ 500 |
| | 2009-2017 | Malele Primary school P. O. BOX 11, Akala, Kenya | |
| **OTHERS** Computer Application Packages | July - September 2022 | Institute of Advanced Technology (IAT) | Certificate |

## WORK EXPERIENCE

1.  16th January 2024 – 15nd March 2024

INTERNAL ATTACHMENT

**Dedan Kimathi University of Technology, Main Campus Nyeri, Kenya,**

**Institute of Geomatics, Geospatial Information Systems and Remote Sensing.**

 Responsibilities and Achievements

- Mapping using Unmanned Aerial Systems (UAS) (Drone); Project Planning, Arial Survey, Data Processing, Feature Extraction, Output Presentation and Visualization.
- Cartographic Drawing and Survey Plans.
- Development of Field Data Collection Application and Mobile Mapping.
- Creation of Geodatabase, Geo-enrichment and Data Management, Geoprocessing, Representation and Visualization of Spatial Data.
- Computer Aided Map Generation and Advanced formatting with Esri's ArcMap and Qgis.
- Crowdsourcing with Collection Application for ArcGIS and resulting Data Visualization with Dashboards.
- Remote Sensing: Acquisition of remotely sensed data including Satellite data from multiple sources, performing Basic Geoprocessing Functions and Feature Extraction Workflow.
- Surveying; Densifying and Establishment of Horizontal and Vertical Controls; Traversing, Levelling and Office Computations.
- Reporting to the Attachment Coordinator.

## TRAININGS AND WORKSHOPS

| 6th – 8th September 2024 **Physical workshop** State of the map Kenya 2024 Held in UNIVERSITY OF NAIROBI | Trained on: <ul><li>Importance of OSM data</li><li>Incorporating OSM into Academic curricular</li><li>Open Stret Map and GDPR</li><li>Open mapping through tropical forest biodiversity.</li><li>UN Maps- Supporting Peace with Open Data.</li></ul> |

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| 28th August to 8th October 2024<br><br>**Massive Open Online Course (MOOC)**<br><br>SPATIAL DATA SCIENCE:<br>THE NEW FRONTIER IN ANALYTICS<br><br>Environmental System Research Institute (ESRI) | Trained on;<br><br>● Spatial Data Engineering<br>● Exploratory analysis and Visualization<br>● Pattern Detection and Predictive analysis<br>● Suitability modelling in data<br>● Deep learning<br>● Communicating results using ArcGIS story maps. |
| 25TH– 27th September 2024<br><br>**Virtual Geospatial Information System Training Program**<br><br>3 DAYS BASIC QGIS TRAINING | Trained on;<br><br>● Understanding of Open Street Map (OSM)<br>● Getting started with ID Editor and JOSM<br>● Introduction to QGIS &its interface<br>● Analysis on QGIS using OSM date |
| **2nd November 2024**<br><br>**DeKUT GDEV YOUTH MAPPERS MAPATHON**<br><br>Dedan Kimathi University of Technology | Trained on:<br><br>● Mapping using both ID Editor and JOSM<br>● Advantages of using Open Street map data.<br>● Mobile mapping using Every Door APP. |

## AWARDS

**Certificate of Merit for Academic Excellence in the First Year of Study**.

First Position in Bachelor of Science in Geospatial Information Science and Remote Sensing, Institute of Geomatics, GIS & Remote Sensing (IGGRES), Dedan Kimathi University of Technology, Nyeri-Kenya

**Certificate of Merit for Academic Excellence in the Second Year of Study**.

First Position in Bachelor of Science in Geospatial Information Science and Remote Sensing, Institute of Geomatics, GIS & Remote Sensing (IGGRES), Dedan Kimathi University of Technology, Nyeri-Kenya

**Certificate of Participation in the GDEV OPEN-HACK 2024**

Third position in the hackathon competition, organized by the Geospatial Developers Club.

**Certificate of Participation in the 3-Days Basic QGIS Training**

Participated in the 3-Days QGIS Training from 25th -27th September 2024

**Certificate of Recognition "summitting Mount Kenyan peaks Lenana" 2023**

Participated in the 7th Annual "Climb to Educate" Mt Kenya 4985M expedition.

## SKILLS

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| ▪ Good team Player<br>▪ Ability to work Independently<br>▪ Self-Motivated | ▪ Leadership<br>▪ Meticulous in approaching duties |

## HOBIES AND INTERESTS

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| ▪ Bike riding<br>▪ football<br>▪ Athletics | ▪ Hiking<br>▪ Community Service |

## REFEREES

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| 1. Dr. Daniel Nyangweso,<br>   *+254 721 916 512*<br>**Senior lecturer,** Institute of Geomatics, GIS & Remote Sensing (IGGRES), - Dedan Kimathi University of Technology, Nyeri- Kenya. | 2. Mr. John Awuor Awinda,<br>   *+254 724 565 419.*<br>**The Head of Peer counseling Department**, Chianda Boys High School,<br>P. O. BOX 14-40604 Rageng'ni, Kenya |