✉ alvynew@gmail.com

☎ +254 0796 109 975

📍 Nairobi, Kenya

▶ Warmware Labs

TECHNICAL SKILLS

Programming in:
- C++
- Dart
- Python

IoT System Development using:
- Raspberry Pi
- AVR Atmega chips

Android apps, iOS apps and web development using Flutter.

Database Design and implementation using:
- SQL
- NoSQL (Firebase)

INTERESTS

▪ Programming

▪ Internet of Things

▪ Puzzle games

▪ Video games

▪ Cycling

ALVYNE WAMWEA MWANIKI

Electrical Engineering Student

Hard-working, eager-to-learn electrical engineering student. Equipped with experience in the development of IoT devices. Proficient in programming applications for multiple platforms: Windows, Linux, Android and iOS.

EXPERIENCE

Nano-Satellite Platform University of Nairobi (NaSPUoN) development
October 2020 – Present
- ✓ NaSPUoN is a CubeSat bench model developed in UoN in partnership with KSA (Kenya Space Agency).
- ✓ Electrical team leader.
- ✓ Selected components of the On-board computer and communications subsystem of the satellite.
- ✓ Programmed, implemented and tested the satellite communication software as well as Ground station software (Windows form Application).

IEEEXtreme 14.0 Programming competition
October 2020
- ✓ Member of team TitanZ.
- ✓ Finished 1st in Kenya, 33rd in region R8, 119th globally.

Android App Development (Hearts)
April 2020 – October 2020
- ✓ Learnt programming in Flutter for Android and iOS apps.
- ✓ Programmed a hearts game and released it in Google Play Store (Hearts MultiPlayer - Warmware).

COURSES AND TRAINING

Hands-on Education Program for Technical Advancement (HEPTA SAT)
October 2019

EDUCATION

Ongoing: B. Sc. In Electrical and Electronics Engineering
University of Nairobi
2017 – Present   Year: Fourth

KCSE High School Certificate
Strathmore School   GPA: 3.97/4.0
2013 – 2016   Mean Grade: A- (80)

REFEREE

Dr. Cosmas Mutugi Kiruki   0113765522