

# Lyn Nzioka

Electrical & Electronics Engineering Student,  
University of Nairobi

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Dynamic and result-oriented fourth-year Electrical & Electronics Engineering student at University of Nairobi. Excel at learning and problem-solving in a team dynamic on course projects. Seeking an electrical and electronics Engineering internship where I can apply my technical skills, eagerness to learn, and passion for electrical engineering.

## EDUCATION

### BSc in Electrical & Electronics Engineering University of Nairobi

09/2017 - Present

#### Courses

- Power Systems
- Electronics
- Electrical Machines
- Numerical Methods
- Electrodynamics
- Control Systems
- Telecommunications

## VOLUNTEERING EXPERIENCE

### Volunteer Teaching Assistant Pacemaker International (PACE)

01/2017 - 07/2017

Nairobi, Kenya

PACE recruits high school graduates, trains and deploys them to work as teaching assistants during their pre-university break.

#### Achievements/Tasks

- Logged in 700+ hours of volunteering work
- Tutoring and mentoring of students who needed help catching up with studies.

### Student Research Assistant KENET: CS-IS-EE RF RADIATION ACTIVITY 2G+, Wi-Fi, IoT HEALTH STUDIES

05/2020 - Present

The CS-IS-EE RF Activity is a project in partnership with KENET and UON focusing on the effects of power levels on certain parts of the human body.

#### Achievements/Tasks

- Conducting Field Studies
- Writing a conference paper
- Presenting the conference paper in AEC2020 Conference
- Data Analysis using excel

### Student Research Assistant RAE- UNIP UON / KPLC Wi-Fi Project

Nairobi, Kenya

The KPLC/UON Wi-Fi project is a project in partnership with KPLC which focuses on providing efficient Wi-Fi in Mathare Slums.

#### Achievements/Tasks

- Collecting over 200+ prototype testing data samples
- Analyzing the data using technologies (Excel)

## SKILLS

C++

MATLAB

HTML

CSS

Microsoft Excel

Microsoft PowerPoint

Teamwork

Leadership

Time Management

Problem-solving

Critical thinking

Adaptability

Research & Data analysis

## PERSONAL PROJECT

Machine Learning Based Smart Home Management System  
(04/2021 - Present)

- A machine learning-based residential solar power management system that will monitor, manage and optimize power consumption in a residential home.

## PERSONAL ACHIEVEMENTS

- KSF - Aberdare Branch Age group Swimming Championship  
- 3rd place in Breaststroke

- KSF - Aberdare Branch Age group Swimming Championship  
- 3rd place in Butterfly

## INTERESTS

Renewable Energy

Photography

Cooking

Swimming