

ERNEST KATEMBO MUHASA

COMPUTER SCIENCE, NETWORK AND TELECOMMUNICATION ENGINEER



55 Street Kabono, Bukavu



+243890048028



katembo.muhasa@ucbukavu.ac.cd



<https://bit.ly/46hp37Z>

Education

B.S, COMPUTER SCIENCE:NETWORKS AND TELECOMMUNICATIONS Oct. 2018 - Dec 2023

Bac+5 at Catholic University of Bukavu - Bukavu, DRC

Research experience

UNDERGRADUATE RESEARCH PROJECT

April- Nov. 2023

Thesis: Design and implementation of a wireless sensor network-based earthquake detection system using ML

Advisor: Steaven Chédé, PhD **Co-Advisor:** Mugaruka Olivier, PhD

WORLDCUR-BCUR 2023 - UNIVERSITY OF WARWICK

April 2023

Thesis: Design and implementation of an automated handwashing for covid-19 hosted by the Institute for Advanced Teaching and Learning (IATL)

USOS GLOBAL PEN FRIENDS

Feb 2022

Abstract: Impact on information and communication technology, what perspective for the student in drcongo

END CYCLE WORK

Oct. 2021- Aug. 2022

Thesis: setting up of an automatic hand washing system case of The Provincial General Referral Hospital of Bukavu (HPGRB)

Advisor: Mugoli Dash, UCB

Work experience

TELECOM ENGINEER

Feb - April 2023

Liquid Intelligent Technologies- Internship, South-Kivu, DRC

NETWORK ENGINEER

Dec 2022 - Jan. 2022

Global Broadband Solution - Internship, Goma, DRC

Veilleurs du Web UNICEF RDC

Feb 2021 - Present

IT SUPPORT

Jan- April 2021

Information technology Assistant(IT) at general referral hospital of Bukavu

Teaching Experience

Université Officielle de Bukavu

janv. 2024

Teaching Assistant - South-Kivu, DRC

courses :Web programming with HTML, CSS, JS and Django, Algorithms and data structures

Leadership, Mentoring and Service

ORGANIZER

Dec 2021-present

Google developer groups Uvira & Bukavu - South-Kivu, DRC

SECRETARY

Feb 2021-present

Veilleurs du Web RDC- South-Kivu, DRC

MEMBER

Aug. 2022 - present

Young Africa Leaders Initiative - YALI NETWORK

MEMBER

May 2021 - present

Young Africa Leaders Initiative - South - Kivu, DRC

LEADER OF THE CLUB

May 2020 - Oct. 2023

English Club of Catholic University of Bukavu -Bukavu, South-Kivu

LEADER OF THE CLUB

June 2021 - July 2022

Google Developer Students Club- Catholic University of Bukavu

Licences & Certifications

MACHINE LEARNING

Sololearn- online learning

July 2023

IT SUPPORT-TECHNICAL SUPPORT FUNDAMENTALS

Coursera

Jan 2023

PEACE BUILDING, EDUCATION AND ADVOCACY

Unicef - South-kivu, DRC

May 2023

ACCES A LA RECHERCHE DE L'INFORMATION MONDIALE EN LIGNE SUR LA SANTE

Aug 2022

Research4Life - Online Learning

PEACE BUILDING, EDUCATION AND ADVOCACY

Unicef - South-kivu, DRC

May 2023

PYPHON PROGRAMMING

Sep2021-March 2022

Udemy - Online learning

IT AUTOMATION

May 2021 - March 2022

Coursera - Online learning

Selected Honours and Awards

CERTIFICATE OF MERIT

Novembre 2023

Catholic University of Bukavu

project : "Prediction of diseases using Machine learning"

GOOGLE CAREER CERTIFICATE SCHOLARSHIP(GCCS)

March 2021- April 2023

EXCELLENCE SCHOLARSHIP OF CATHOLIC UNIVERSITY OF BUKAVU

Oct 2021- Nov 2022

Selected Skills

SOFT SKILLS

Research and analytical skills, Written and Verbal Communication, Organizational and planning skills, Presenting,...

LANGUAGE SKILLS

English, French (Native), and Swahili (Native)

DIGITAL AND SOFTWARE

Programming languages : Python, Java, JavaScript, C/C++

Networking protocols : TCP/IP, UDP, HTTP, DNS, DHCP, SNMP, BGP, OSPF,...

Telecommunications technologies : GSM, CDMA, LTE, 5G, VoIP, SIP,...

Wireless communications: Wi-Fi (802.11a/b/g/n/ac), Bluetooth, Zigbee, RFID...

Scisco packet tracer, Edraw max, GNS3, Google Earth, Google Max, SNMP, Wireshark, Nagios, SolarWinds....

Data analysis and visualisation, Machine learning / Artificial intelligence

HOBBY: Mathematics