CENIT@EA

Centre of Excellence for ICT
in East Africa

DIGITAL YEARBOOK
YOUNG PROFESSIONALS

4TH COHORT

Master in Embedded and Mobile systems (EMoS)

An initiative of the Digital Skills for an
Innovative East African Industry project

"Dedicated to Excellence,
Committed to the Future"

> *We believe in the power of engaging local young professionals to leverage their expertise in design thinking and conceptualization of digital innovations for the region of East Africa.*

Paul Isaac Musasizi,
CEO Kiira Motors Corporation

The Digital Skills for an Innovative East African Industry (dSkills@EA) project is strengthening employment and innovation-related digital skills of young people in the Partner States of the East African Community (EAC) through short courses, the promotion of entrepreneurship activities and technology transfer. It also supports the Centre of Excellence for ICT in East Africa (CENIT@EA) in the implementation of its activites.

CENIT@EA is a regional innovation hub of EAC which offers a competitive Master in "Embedded and Mobile Systems" (EMoS) that follows a market-driven approach and includes practical elements, such as an internship, an applied Master thesis, Summer Schools and guest lectures from the private sector, as well as Entrepreneurial and Soft Skills training.
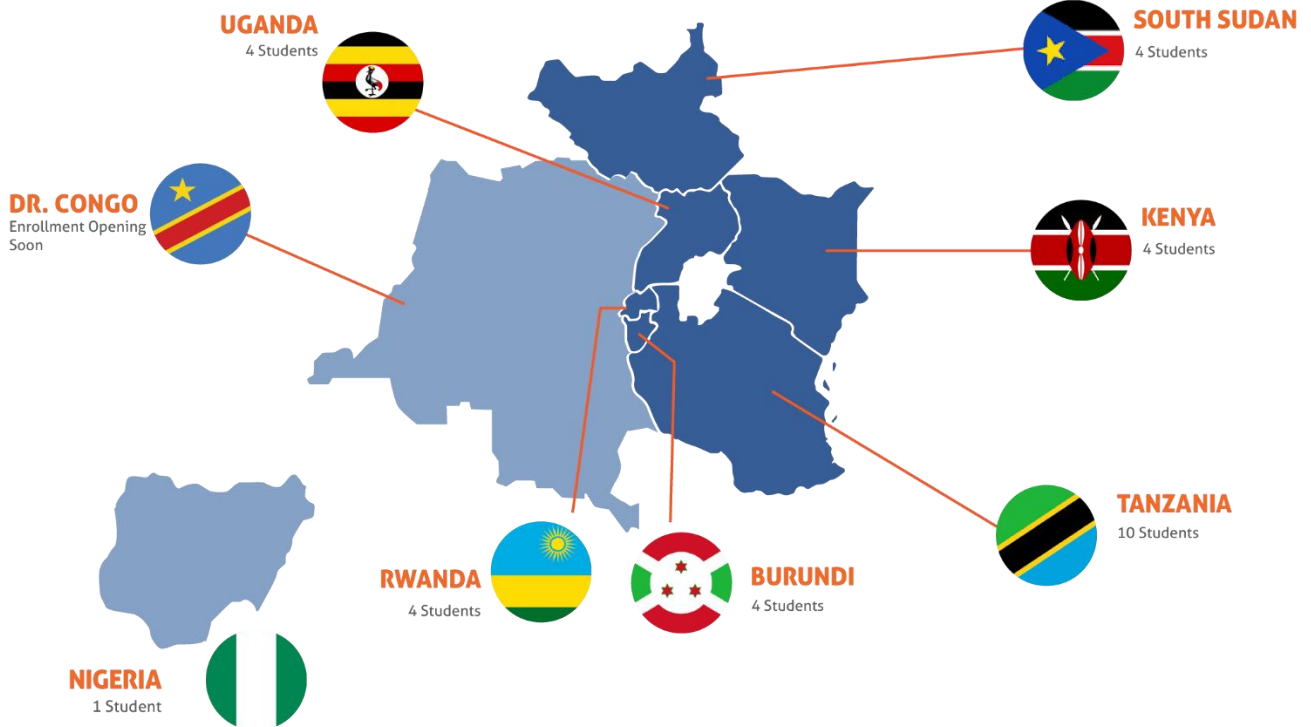
This Digital Yearbook Showcases the skills profiles of the Young Professionals of the 4th cohort of the Master in Embedded and Mobile Systems. These Young Professionals have an excellent academic record and on average over three years of relevant work experience. They are motivated to develop digital solutions for the challenges the East African private and public sector are facing. If your company ororganization is looking for the right skills for the digital transformation of their businesses and improvement for operations, take a look at the profiles and contact the Young Professional of your interest directly

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In East Africa

FACTS ABOUT
THE YOUNG PROFESSIONALS

3.3+
Years of Work
Experience

UGANDA
4 Students

SOUTH SUDAN
4 Students

DR. CONGO
Enrollment Opening
Soon

KENYA
4 Students

TANZANIA
10 Students

RWANDA
4 Students

BURUNDI
4 Students

NIGERIA
1 Student

MAJOR AREAS OF INTEREST

Health

Education

Security

Agriculture

Industrial Automation

Renewable Energy

E-Government

Transport and
Smart Mobility Solutions

Smart Home

BACKGROUND

CENIT@EA is a regional innovation hub that was initiated by the East African Community (EAC) and the German Federal Ministry for Economic Cooperation and Development (BMZ) and launched in 2019 to support East African Universities in providing the technical skills that meet the needs of the private sector, public sector and civil society stakeholders in the region's digital transformation.

CENIT@EA is supported by and implemented under the project ''Digital Skills for an Innovative East African Industry'' (dSkills@EA). The Deutsche Gesellschaft für Internationale Zusammenarbit (GIZ) GmbH implements the project in cooperation with the Inter-University Council of East Africa (IUCEA), the German Academic Exchange Service (DAAD) and an academic consortium consisting of Nelson Mandela African Institution for Science and Technology (NM-AIST), the University of Oldenburg and other East African and German universities and institutions.

To cater towards the concrete Needsofthedigitaltransformation in East Africa, CENIT@EA established a market-driven Master in Embedded and Mobile trainings for professionals in the area of Information and Communication Technologies (ICT), unemployed graduates and university lecturers to provide them with the relevant digital skills. To assure this demand-driven and valuecreating approach, CENIT@EA works very closely with the private sector through events such as ICT4 Business and cooperation mechanisms such as the Memorandum of Understanding with Kiira Motors. The regional network and dialogue between academia, public and private sector is furthermore facilitated for collaborative development of the digital transformation

ALI ZIRYAWULAWO

Ugandan

English, Kiswahili, Luganda, Runyankore

MSc EMoS track: Embedded Systems

BSc Electrical Engineering, Makerere University, Uganda

ACHIEVEMENTS & CERTIFICATES

Policy Making: Entrepreneurship For Sustainable Development, United Nations Institute for Training and Research, 2021

Leadership Through Design Innovation, Northwestern University, 2021
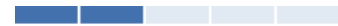
Tomorrow's Mobility, IFP School, 2020
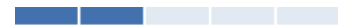
PROFESSIONAL SKILLS

Python Programming

MATLAB

AutoCAD Electrical

SolidWorks Electrical

Graphics Design

WORK EXPERIENCE

October 2021 – To-date	Electrical and Electronic Systems Engineer, Kiira Motors Corporation, Uganda
January 2020 – September 2021	Undergraduate Research Assistant, Kiira Motors Corporation, Uganda

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Contact

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MAJOR AREAS OF INTEREST IN ICT

Green Mobility Technologies

Smart Farming

Autonomous Vehicle Tech

THACIANNE TUYAMBAZE

Rwandese

English, French, Kinyarwanda

MSc EMoS track: Mobile Systems

BSc Information Systems, University of Rwanda, Rwanda

+250787923021

tuyambazethaci@gmail.com

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@Thacianne4

MAJOR AREAS OF INTEREST IN ICT

Business Analysis

Information Systems Auditing

Marketing and Electronic Business

IT Project Management

ACHIEVEMENTS & CERTIFICATES

Certified in Software Development in the She Can Code Program offered by Igire Rwanda Organization, in partnership with the US Embassy Kigali, Rwanda on Dec 2018

Certified in Entrepreneurship Skills by EASTECO (East African Science and Technology Commission) on July 2022

Certified in Initiating and Planning Projects by UCI Division of Continuing Education on Dec 2020
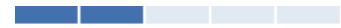
Certified in Business Analysis and Process Management by Coursera Project Network on Dec 2020

Certified in Product Lifecycle: A Guide from start to finish by Coursera Project Network on Dec2020

PROFESSIONAL SKILLS

Mobile App Development

E-Business

Business Analysis

System Analysis and Design

Software Development

Computer Networking

IT Project management

Mobile Commerce

WORK EXPERIENCE

| July 2019 – December 2021 | Loan Officer, ASA Microfinance Rwanda Plc., Rwanda |
| December 2018 – July 2019 | Data Entry Clerk, Rwanda Education Board (REB), Rwanda |

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SPECIOSE INGABIRE

Rwandese | English, French, Kinyarwanda | **MSc EMoS track:** Embedded Systems

BSc Computer Science, University of Rwanda, Rwanda

ACHIEVEMENTS & CERTIFICATES

Child Protection Certificate /Child protection Training/Compassion International Rwanda/2021

Making a Ginger Soft drink by using different plants.
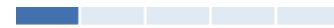
PROFESSIONAL SKILLS

Python Programming	
Java Programming	
SQL	
C / C++ Programming	
Networking	
HTM, CSS. PHP	
System development and security	

WORK EXPERIENCE

August 2020 – January2022	Project Communication, Compassion International, Rwanda
August 2017 – July 2020	Information Technology Technician, Eden Business Center Limited, Rwanda
June 2016 – June2017	Professional Internship, Rwanda Energy Group, Rwanda

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MAJOR AREAS OF INTEREST IN ICT

ICT FOR HEALTH

ICT For Transport

Internet of Things

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SIJALI MADIKAH

Tanzanian	English, Swahili, German	**MSc EMoS track:** Mobile Systems

BSc Information Technology-Network Computing, UCTI University, Malaysia

ACHIEVEMENTS & CERTIFICATES

Advanced Diploma in Computer Science,IFM,2006

Certificate of Computer Science,IFM,2003

Database System Management training, SUA,2018
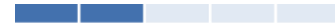
PROFESSIONAL SKILLS

Python Programming

Java Programming

Android programming

C# / C++ Programming

SQL

Ms Access

WORK EXPERIENCE

February 2015 –To date	ICT Officer, VETA, Tanzania
August 2012 – July 2014	ICT Associate, TPSC, Tanzania
June 2014 – January 2014	Computer Technician, ATMA Electronics and Software, Tanzania

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MAJOR AREAS OF INTEREST IN ICT

Database management Systems

ICT Project Management Systems

Internet of Things for network Security

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SAMUEL CHOL BUOL

| | South Sudanese | | English, Arabic, Dinka | **MSc EMoS track:** Mobile Systems |

BSc in Software Engineering, University of Eastern Africa, Baraton, Kenya

ACHIEVEMENTS & CERTIFICATES

Awarded two certificates of academic excellence, University of Eastern Africa, Baraton, 2017,2018,2019 academic years (certificate of Academic excellent is given to students who get 3.5 GPA and above without B- in a semester)

Cisco CCNA/training, Institute of Advanced technology, 2019, Kenya

Developed sukonline E-commerce, Nirea Group, Ama Makurdit web applications and Dinka hymnal app

Cisco Cybersecurity essentials and introduction to cybersecurity, digital marketing, Cisco Network Academy, Google 2021,Online

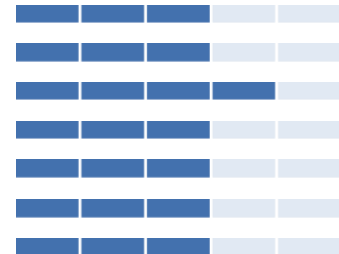## PROFESSIONAL SKILLS

Python, JAVA, SQL

Java Programming

HTML, CSS

Javascript

Mobile development

Networking

Cybersecurity

WORK EXPERIENCE

November 2021 – Date	System admin, Nile Real Estate Agency limited, South Sudan
March 2021 – January 2022	Information and analysis officer, South Sudan NGO forum, South Sudan
May 2018 – August 2018	Software Developer, Competa Millman Ltd, Kenya

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cholbuol08@gmail.com

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@cholbuol6

MAJOR AREAS OF INTEREST IN ICT

Web-Based Systems

Mobile Systems

Artificial Intelligence (deep learning and Natural language processing)

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OCHIRA ANTHONY CHARLES BATULUMEO

South Sudanese	Arabic English	**MSc EMoS track:** Mobile Systems

BSC Information Technology, University of Juba, South Sudan

PROFESSIONAL SKILLS

Python Programming	
Java Programming	
PHP	
Visual	
SQL	
HTML	
Oracle	
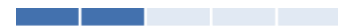
WORK EXPERIENCE

April 2018-April 2019	2019 lab expert, STEM Center, South Sudan
January 2017-January 2018	Data Clarke, Street Children Aids, South Sudan
February 2015-December 2016	Sale Ref, Vivacell Company South Sudan

0744454295

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MAJOR AREAS OF INTEREST IN ICT

Health information systems

ICT for smart agriculture

Mobile application systems

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NGUSE NGULUMBI

Tanzanian | English, Swahili | **MSc EMoS track:** Mobile Systems

BSc in Computer Engineering and Information technology, University of Dar es salaam, Tanzania

ACHIEVEMENTS & CERTIFICATES

Systematic Review and Meta Analysis Training, NM-AIST, 2022

Certified Scrum Master, Koenig (Scrum Study), 2020

Microsoft Technology Associate, Microsoft, 2020

PROFESSIONAL SKILLS

SQL Server

C# programming

Python Programming

Agile (Scrum)

Android

MS Office

GitHub

WORK EXPERIENCE

August 2019 – January 2022 — Software developer, SoftNet Technologies Limited, Tanzania

September 2018 – September 2019 — ICT Trainer, Help to Help, Tanzania

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MAJOR AREAS OF INTEREST IN ICT

ICT for Digital economy

ICT for smart agriculture

ICT for Health

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MICHAEL OCHIEL ONYANGO

| | Kenyan | | English, Swahili | **MSc EMoS track:** Embedded Systems |

BSc Electrical and Electronic Engineering, Technical University of Mombasa, Kenya

ACHIEVEMENTS & CERTIFICATES

HCIA DATACOM Certificate, HUAWEI, 2021

Software Defined Networks, Safaricom PLC Kenya, 2021

Class C1 Licensed Electrical Engineer, EPRA Kenya, 2021

PROFESSIONAL SKILLS

Python Programming

Machine Learning

Electrical design (AutoCAD Electrical)

Internet of things

Telecommunication Networks and Infrastructure

IT Project Management

Embedded Systems Engineering

WORK EXPERIENCE

JUNE 2021 – DEC 2021 — Electrical Engineer, Erubi Electrical Engineering Services, Kenya

NOV 2020 – MAY 2021 — Network Engineer, Fireside Communications Ltd, Kenya

MAY 2019 – NOV 2020 — Network Engineer, Bens Electronic Services, Kenya

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MAJOR AREAS OF INTEREST IN ICT

Data science

Industrial Automation

Telecommunication

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MARY MTOI

Tanzanian   English, Swahili   **MSc EMoS track:** Mobile Systems

BSc Computer Science, National Institute of Transport (NIT), Tanzania

ACHIEVEMENTS & CERTIFICATES

Certificate of ICT Training in network management ,CCTV Camera installation and Telephone Management from LMKL ,Manyara Arusha Tanzania

Certificate of Appreciation for perticipating in NM-AIST STEM Women during Nane Nane exhibition,Held on 8 August 2022 in Arusha Tanzania

PROFESSIONAL SKILLS

Skill	
Python Programming	
Java Programming	
SQL / PHP	
Web Development	
Machine Learning	
Internet of Things	

WORK EXPERIENCE

October 2021– Present	Tutorial Assistant, Institute of Accountancy Arusha, Tanzania
September 2020– June 2022	IT Technician II, Institute of Accountancy Arusha, Tanzania
November 2019 – April 2020	IT Consultant, LMK, Tanzania

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MAJOR AREAS OF INTEREST IN ICT

Machine Learning for agriculture

Network Security & Management

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LUSUNGU WANGILISASI

Tanzanian | English, Swahili | **MSc EMoS track:** Mobile Systems

Bsc. Computer Engineering and Information Technology, University of Dar es Salaam, Tanzania

ACHIEVEMENTS & CERTIFICATES

Participated in Innovating Agricultural Drone for spraying pesticides in Agriculture.

Specialized Program on Mobile Apps Development, Center for Development of Advanced Computing (CDAC) , 2019

PROFESSIONAL SKILLS

Web Development
Mobile Development
SQL
Machine Learning
Python
Java
C#/ASP.NET CORE

WORK EXPERIENCE

Dec 2014 – Jan 2022 — Tutorial Assistant, Mbeya University of Science and Technology, Tanzania

June 2014 – Nov 2015 — System Administrator, Tumaini University Makumira, Tanzania

Oct 2012 – May 2014 — Field Engineer, Perntels Company Limited, Tanzania

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MAJOR AREAS OF INTEREST IN ICT

IoT in agriculture

ICT for Health

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JOSIANE IRAKIZA

Rwandese | *English, French, Kinyarwanda* | **MSc EMoS track:** Mobile Systems

BSc in Computer Engineering, Kigali Institute of Science and Technology, Rwanda

ACHIEVEMENTS & CERTIFICATES

OpenMRS configuration and Administration of all hospital Modules

Trained in Innovation and Entrepreneurship

Developed Kinyarwanda Crossword puzzle game

Certified in Advanced Network and Network Security

Certified in CISCO/CCNA (IT Essentials, Network Fundamentals, LAN Switching and Wireless, and Accessing the WAN)

MAD Basics (Mobile Application Development)

Bachelor of Science Degree in Computer Engineering
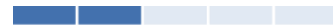
PROFESSIONAL SKILLS

SQL

Networking & security

Hardware & maintenance

System Administration (Windows& Linux)

Python programming

Mobile Apps development

WORK EXPERIENCE

February 2016 – December 2021	ICT Officer, MOH/Kirehe D. Hospital, Rwanda
March 2015 – November 2015	ICT Assistant, TGI Ngoma, Rwanda
April 2014 – December 2014	ICT/Program Professional Intern, HIJRA/Humanitarian Initiative Just Relief Aid, Kenya

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MAJOR AREAS OF INTEREST IN ICT

ICT for agriculture

ICT for Health

Internet of Things

Cybersecurity

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JEAN CAMILLE SHAKA

Burundian — English, French, Swahili, Kirundi — **MSc EMoS track:** Embedded Systems

BSc Computer Science, Great Lacs University, Burundi

PROFESSIONAL SKILLS

Web-Based Application Development using: CodeIgniter

Server-Side Web Programming languages, J2EE

Client-Side Web Programming languages: HTML, Bootstrap, JavaScript, Ajax

Relational Database Administration using Oracle, MySQL, SQL SERVER

Java Programming

Android Programming

Android Programming

Unified Modeling Language (UML)

WORK EXPERIENCE

September 2019 – September 2021

Developer, New High Technology +++Systems (NHTS), Burundi

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MAJOR AREAS OF INTEREST IN ICT

Mobile Programing

ICT for Health

Machine Learning

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JAPHETH MUMO

Kenyan | English, Swahili | **MSc EMoS track:** Mobile Systems

BSc of Information Technology, South Eastern Kenya University, Kenya

ACHIEVEMENTS & CERTIFICATES

Developed NM-AIST To-Do App, to assist in Daily Task Planning, Nelson Mandela African Institution of Science and Technology, 2022

Designed a Corporate Asset Management System for the Kenya Civil Aviation Authority, 2018

First Class Honors Excellence Award, in Bachelor of Information Technology at South Eastern Kenya University, 2018.

PROFESSIONAL SKILLS

Skill	
Python & Java Programming	
Graphics & Video Editing	
Machine Learning	
Mobile Development	
Web Development	
Project Management	
IoT Design and Development	

WORK EXPERIENCE

Mar 2021 – Jan 2022	Surveillance and Weighbridge Controller, East African Breweries Limited under Lady Askari, Kenya
Jan 2019 – Mar 2020	Digital Specialist Plan and Trend Company, Kenya
May 2018 – Aug 2018	IT Trainee Kenya Civil Aviation Authority (KCAA), Kenya

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@MumoKim1

MAJOR AREAS OF INTEREST IN ICT

Mobile & Web Development

Internet of Things (IoT)

Ai & Machine Learning

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JAPHETH ABASHE

Nigerian | English | **MSc EMoS track:** Mobile Systems

BSc Computer Science and Technology

ACHIEVEMENTS & CERTIFICATES

Developed a Web-based shopping application

0762378895

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MAJOR AREAS OF INTEREST IN ICT

Mobile & Web Development

Software Development

Graphics Design

PROFESSIONAL SKILLS
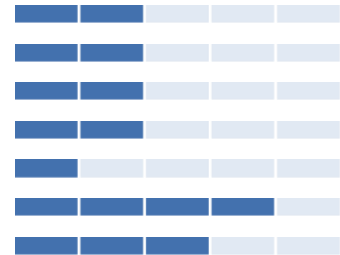
Python Programming

Java Programming

SQL

CSS

Android

Graphic Design

IT Project Management

JANETH PAUL RIWA

Tanzanian   English, Swahili   **MSc EMoS track:** Embedded Systems

BSc in Electronic Science and Communication, University of Dar es salaam (UDSM), Tanzania

ACHIEVEMENTS & CERTIFICATES

Diploma in Electronics and Communication Engineering, St. Joseph University in Tanzania, 2016.

Participant in The 5th Annual National Science, Technology and Innovation Conference and Exhibitions, COSTECH Tanzania,2016.

Design and Implementation of alternative power supply control system at University of Dar es salaam,2019.

Design of a CMOS Microcontroller based traffic signal pre-emption at St. Joseph University in Tanzania,2016.

PROFESSIONAL SKILLS

- C Programming
- Internet of Things
- IT Project Management
- Embedded Systems Engineering
- Network Planning and Optimization
- Circuit design
- Python Programming

WORK EXPERIENCE

November 2019 – March 2020	IT Intern, Zara International Travel Agency, Tanzania
August 2018 – October 2018	Field Engineer Trainee, Pivotech Company Limited, Tanzania
July 2017 – November 2017	Telecoms Technician, Power and Network Back-Up Limited, Tanzania

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@J_Riwa

MAJOR AREAS OF INTEREST IN ICT

Internet of Things

Industrial Automation

Smart Mobility

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JACINTA BABU

Kenyan

English, Swahili

MSc EMoS track:
Mobile Systems

BSc Information Technology, KCA University, Kenya

ACHIEVEMENTS & CERTIFICATES

Systematic Review Training, The Nelson Mandela African Institution of Science and Technology, 2022

Industrial Innovation: Trends and Advancement at The Nelson Mandela African Institution of Science and Technology, 2022

Trained Transformational Innovation and Entrepreneurship at The Nelson Mandela African Institution of Science and Technology, 2022

Persons Living with Disability Sensitization Training at The National Council for Persons with Disability – Kabete, Nairobi - 2021

Bachelor of Science in Information Technology at The KCA University, Nairobi

PROFESSIONAL SKILLS

Google Cloud Platform

Google Colab

Python Programming

Android Programming

Java Programming

PHP

SQL

WORK EXPERIENCE

Jan 2021 – Feb 2022	ICT Officer, The National Council for Persons with Disability through The Public Service Commission, Kenya
Jul 2018 – Dec 2020	IT Helpdesk and Support Officer, ICEALION Group, Kenya
Apr 2018 – Jun 2018	Student Attaché, Delight Africa, Kenya

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MAJOR AREAS OF INTEREST IN ICT

Cyber Security and Risk Management

Big Data Analytics

Mobile Technologies

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FRANK SAMSON

Tanzanian | English, Swahili | **MSc EMoS track:** Mobile Systems

BSc Information Technology, University of Iringa, Tanzania

ACHIEVEMENTS & CERTIFICATES

Interdisciplinary and intercultural sustainability communication – Climate change, Certificate of Participation, Baden-Wuerttemberg Cooperative State University Heidenheim, 2022, Germany

Systematic review and Meta-analysis, Afrique One Aspire, Certificate of Participation, 2022, Tanzania

Funding proposal writing, Certificate of Attendance, Foot 2 Afrika Summer school, 2022, Tanzania

PROFESSIONAL SKILLS

Computer Programming (C, C++, C#, Java, Python)

Database Management Systems (MySQL)

Web Technologies (HTML, CSS, PHP)

Computer Networking

Computer Security

WORK EXPERIENCE

June 2019 – December 2021 | Tutorial Assistant, University of Iringa, Tanzania

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@graficrafter

MAJOR AREAS OF INTEREST IN ICT

ICT for Education

Machine Learning

Computer Security

Open source

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FAMINA AYEBARE

Ugandan

English, Runyankore, Luganda

MSc EMoS track: Mobile Systems

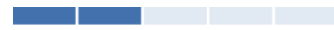*BSc. Information Technology, Makerere University, Uganda*

ACHIEVEMENTS & CERTIFICATES

Certificate CCNA1 Cisco Networking Academy, Makerere University Uganda, 2019

PROFESSIONAL SKILLS

Python Programming

Java Programming

SQL

IT Project Management

Systems Administration

Networking

Hardware Maintenance

WORK EXPERIENCE

October 2021 –December2021

Executive Assistant, Action Group for Health, Human Rights and HIV/AIDS, Uganda

December 2020– April 2021

IT Support Assistant, Electoral Commission, Uganda

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ayebaref@nm-aist.ac.tz

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@ayebscindy

MAJOR AREAS OF INTEREST IN ICT

ICT to prevent gender based Violence

ICT for Health

Aerospace Robotics

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EZECHIEL NIYONZIMA

Burundian | Kirundi, French, English, Swahili | **MSc EMoS track:** Embedded Systems

BSc in Networks and Telecommunications, University of Burundi, Burundi

ACHIEVEMENTS & CERTIFICATES

Certificate in Infinity group training in collaboration with the international NGO Spark, 2021

Certificate in the company recognized by the law of the Young called United Youth Company as as director of finance,2020.

Certificate in World English Institute ,2022

PROFESSIONAL SKILLS

Computer Networking
C /C++ programming
Php/MySQL
Python Programming
Adobe Photoshop
ODK Collect tool
MATLAB
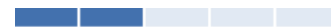
WORK EXPERIENCE

September 2020- December 2021 — United Youth Company,Burundi

January 2020- Jun 2021 — Internship in National and Radio Television of Burundi

January 2021 – July 2021 — Temporary Teacher at great Lakes Technical High School, Bujumbura-Burundi

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MAJOR AREAS OF INTEREST IN ICT

Networks and Telecommunications

Embedded Systems for industries

Internet of Things

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ELVIRA KHWATENGE

Kenyan

English, Swahili

MSc EMoS track: Mobile Systems

BSc Business Information Technology, Jomo Kenyatta University of Agriculture and Technology, Kenya

ACHIEVEMENTS & CERTIFICATES

EXAKT4YOU Innovation Workshop, Germany, 2022

Systematic Review and Meta-Analysis, The African Science Partnership for Intervention Research Excellence (ASPIRE), Tanzania, 2022

Atlas Corps Global leadership lab, by Atlas Corps Inc, United States of America, 2020

PROFESSIONAL SKILLS

Python Programming

Java Programming

PostgreSQL

LMS (canvas, Moodle)

Salesforce CRM

Flutter

WORK EXPERIENCE

January 2020 – October 2021

Blended Learning Specialist, Per Scholas, United States of America

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Contact

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@3Elviralk

MAJOR AREAS OF INTEREST IN ICT

Augmented Reality for education

Assistive technology

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DORCAS KISWAGA

Tanzanian   *English, Swahili*   **MSc EMoS track:** Embedded Systems

BSc Computer Science, National Institute of Transport (NIT), Tanzania

ACHIEVEMENTS & CERTIFICATES

Certificate in Information and communication Technology, National Institute of Transport Dar es Salaam, Tanzania 2017

Cisco Certified Networking Associate, Dar es Salaam Institute of Technology, Tanzania ,2015

PROFESSIONAL SKILLS

C# programming

HTML

SQL

CSS

Vb.net

Networking

WORK EXPERIENCE

July 2019 – September 2019   Network Operation Centre (NOC).Nokia Solutions and network, Tanzania

July 2018 – September 2018   IT Officer, Hubert kairuki Memorial University, Tanzania

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MAJOR AREAS OF INTEREST IN ICT

Computer Networking

Maintenance of hardware and software

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DESIRE ASIIMWE

Ugandan

English, Runyankole, Luganda, Kiswahili

MSc EMoS track: Mobile Systems

Bachelor of Information Systems, Muni University, Uganda

ACHIEVEMENTS & CERTIFICATES

Study of the United States Institute (SUSI) on Women leadership at University of Delaware, USA, 2019

Huawei Seeds for the Future training at Huawei Headquarters in Shenzhen China, 2019

Certificate of Excellence as a research assistant and country co-investigator (Uganda) for the Global Leadership and Organizational Behavior Effectiveness (GLOBE) 2020

PROFESSIONAL SKILLS

Python Programming

Networking
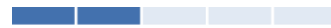
SQL

System analysis

Graphics Designing

Machine learning
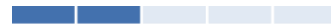
IT Project management

WORK EXPERIENCE

February 2020 – December 2022	IT Help Desk Engineer, MTN Uganda
August 2019 – January 2022	Quality Control Engineer, Huawei Technologies (Uganda) Co., Ltd, Uganda
June 2018 – August 2018	IT Intern, Uganda Human Rights Commission, Uganda

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MAJOR AREAS OF INTEREST IN ICT

IT Projects management and auditing

Systems Analysis

Machine learning for mental health support

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BENJAMIN NTWALI

Rwandese	*English, French, Swahili, Kinyarwanda*	**MSc EMoS track:** Embedded Systems

BSc Computer and Software Engineering, University of Rwanda, College of Science and Technology, Rwanda

ACHIEVEMENTS & CERTIFICATES

Impact Hub, Smart City competition, RWANDA, 2019

JCertif, University of Rwanda, College of Science and Technology, 2014/Java Training Certificate.

Android Wi-Fi Controlled RC plane.

Design, Build and Test Batteries for Electric Motorcycle.

PROFESSIONAL SKILLS

Python and Java Programming

PHP, SQL, C++, Flask and HTML

BMS, CAN programming and Battery Quality checking.

Vehicle controller programming

Android, Desktop application design

Dyno Scripting and power Test operation

LaTeX documentation

WORK EXPERIENCE

June 2020 – Dec 2021	Electrical Engineer, Ampersand ltd, Rwanda
May 2018 – June 2020	System Engineer, Ampersand Electric Motorcycle ltd, Rwanda
Dec 2016 – May 2018	Smart Irrigation Embedded developer, Smagri ltd, Rwanda

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MAJOR AREAS OF INTEREST IN ICT

Drones for agriculture and Health

ICT for Health

Electric vehicle mobility

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AMUKI JOSEPH KESI AJU

South Sudanese

Arabic, English

MSc EMoS track: Mobile Systems

BSc Computer Science, University of Juba, South Sudan.

ACHIEVEMENTS & CERTIFICATES

Certificate in Graphic Design, ICT Specialists, Uganda, 2019

Certificate in Computer Applications, Danish refugee Council, South Sudan 2009

PROFESSIONAL SKILLS

Skill	
Vb.Net	
Html	
SQL	
Php Programming	
Machine Learning	
Mobile apps	
IoT	

WORK EXPERIENCE

Oct 2018 – Jun 2019	Data Clerk, Windle Trust International, South Sudan
Nov 2017– Sep 2018	Network Engineer, Huawei Technologies Juba, South Sudan
March 2008– Sep 2008	Research Assistant, Family Health International, South Sudan

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MAJOR AREAS OF INTEREST IN ICT

Smart Agriculture

Mobile systems for Health

Machine learning

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ANGEL CHARLES OGARE

Tanzanian

English, Kiswahili, Chinese

MSc EMoS track:
Embedded Systems

BSc Telecommunication Engineering, Shenyang aerospace University, China.

ACHIEVEMENTS & CERTIFICATES

Gold prize, in recognition of exemplary achievements and good performance in progressive assessment 2016, Shenyang aerospace university China

Second prize, in recognition of exemplary achievements and good performance in progressive assessment 2017, Shenyang aerospace university China

Best entrepreneur award certificate from Tanzania association Shenyang China 2020.

PROFESSIONAL SKILLS

Python Programming

Circuit Design

C++ Programing

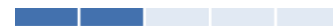Networking

Embedded C

WORK EXPERIENCE

January 2021 – To-date

Managing Director at Aheep nursery and primary school

July 2018- September 2018

Internship at ZTE company in China

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MAJOR AREAS OF INTEREST IN ICT

ICT for Agriculture

ICT For Education

Artificial Intelligence

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BUL KUIR GAK

South Sudanese	*English, Kiswahili, Arabic, Dinka*	**MSc EMoS track:** Embedded Systems

BSc Telecommunication Engineering, Shenyang aerospace University, China.

ACHIEVEMENTS & CERTIFICATES

Certificate of Training, Photovoltaic Technology & Energy Efficiency, Cairo-Egypt,2019

Certificate of Participation, Seminar on Rural New Energies for Developing Countries, Biogas Institute of Ministry of Agriculture (BIOMA), Chengdu-China 2018

Certificate of Training ,Data collection, Analysis using STATA and Reporting Writing, Eastern Africa Statistical Training Centre (EASTC) Campus, Dar es Salaam,2016

PROFESSIONAL SKILLS

Electronics Circuit Design, Proteus, PCB

C/C++ Programming

MATLAB/Simulink

SCADA/PLC Programming

Python programming

Arduino Programming

Machine Learning

WORK EXPERIENCE

Jan 2017 – Dec 2021	Teaching Assistant, University of Juba, South Sudan
Aug 2017 – Oct 2021	Instructor,Starford University College ,South Sudan
April 2017 – July 2019	Electrical Technician, South Sudan Electricity Corporation (SSEC), South Sudan

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MAJOR AREAS OF INTEREST IN ICT

ICT for Agriculture Automation

ICT For Industrial Automation

ICT for Renewable Energy

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CARMEL NKESHIMANA

Burundian

English, Kiswahili, French, Kirundi

MSc EMoS track: Mobile Systems

BSc Computer Science, Lake Tanganyika University, Burundi.

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ACHIEVEMENTS & CERTIFICATES

Development of a web application for class and Class dairy processing, Lake Tanganyika University, Burundi, 2019

Participation in Data Science Africa (2022), DSA, 2022

A.C.P.C.D. (Allocation of classrooms and processing of the class dairy usage), Burundi Lake Tanganyika University, 2019

MAJOR AREAS OF INTEREST IN ICT

Artificial Intelligenve

Mobile Applications

Machine Learning for health

Internet of Things

PROFESSIONAL SKILLS

Python Programming

Java Programming

SQL

Machine Learning

PHP, HTML, CSS, JQUERY, JAVASCRIPT

Artificial Intelligence

Android development

WORK EXPERIENCE

November 2018 – December 2021 — Web Developer, Inspired Business Ideas, Burundi

May 2018 – November 2018 — Internship in ICT, Lake Tanganyika University, Burundi

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ELINAIKE O. MATHERU

Tanzanian   *English, Kiswahili,*   **MSc EMoS track:** Mobile Systems

BSc Information Technology, Arusha Technical College (ATC), Tanzania.

ACHIEVEMENTS & CERTIFICATES

Certificate of Academic Excellence, Arusha Technical College, Academic year 2019/2020

Certificate of Training, Tanzania Telecommunication Company Limited (TTCL), Tanzania, 2012 & 2018

Certificate of Training, ALKAN FOR COMMUNICATION & INFORMATION TECHNOLOGY S.A..E, Tanzania, 2018

PROFESSIONAL SKILLS

Web & System Design & Develop

Embedded system design

Mobile Application Development

Database Design & Management

Graphics Design

Computer repair & maintenance

System and network administration

WORK EXPERIENCE

July 2021 -Current	ICT Officer, Tanzania Broadcasting Corporation (TBC), Tanzania
January 2015 – June 2021	Technician, Tanzania Broadcasting Corporation (TBC), Tanzania
August 2014 – December 2014	Self-employed, Forever Living Products (FLP), Tanzania

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MAJOR AREAS OF INTEREST IN ICT

Computerized Systems

Mobile Applications

Machine Learning for health

Big Data

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INNOCENT KITAUKA

Tanzanian   *English, Kiswahili,*   **MSc EMoS track:** Mobile Systems

BSc Computer Science, Ruaha Catholic University (RUCU), Tanzania.

ACHIEVEMENTS & CERTIFICATES

Participating in the committee for establishing the regulations, laws, and reviewing of the User Matrix of Local Government Revenue Collection Information Systems (LGRCIS), Tanzania, 2019

Systematic Review Training at Nelson Mandela, Afrique Aspire Project, 2022/certificate of Research and Systematic Review

PROFESSIONAL SKILLS

Python Programming

Java Programming

IT Project management

IoT and Smart Systems

HTML/CSS/PHP

Android Development

Computer Networking and Security

WORK EXPERIENCE

January 2021 – Now	ICT officer, Tengeru Institute of Community Development (TICD), Tanzania
January 2009 – January 2021	ICT officer, Arusha City Council, Tanzania
August 2018 – November 2018	IT Specialist (Internship), African Institute on People's and Human Rights, Tanzania

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MAJOR AREAS OF INTEREST IN ICT

Cyber Security

IOT Security

Machine Learning for health

Big Data

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TUMUSIIME KWIRINGIRA

Ugandan | *English, Kiswahili, Luganda* | **MSc EMoS track:** Embedded Systems

BSc. in Computer Engineering, Makerere University, Kampala-Uganda.

ACHIEVEMENTS & CERTIFICATES

Participated in the Summer School at NM-AIST – Entrepreneurship for Innovation (2022)

Participated in the Data-Science Africa Summer-School & Workshop event (DSA-Arusha-2022).

Industrial Training in Control Systems & Automation, – 2018, Jinta Machinery Group Co. Ltd – Shandong, China.

Certificate in Beginner Kiswahili received at NM-AIST-2022

Designed and developed a GSM based smart Irrigation System, 2014, Makerere University, Kampala-Uganda.

PROFESSIONAL SKILLS

Python & Java Programming

C/C++

Embedded C & Assembly

PCB Design

CNC/3D-Printing

Machine Learning / Artificial Intelligence

I.T Project Management

WORK EXPERIENCE

May 2018 – Present	Founder, SonaLabs Electronics, Uganda.
Jan 2019 – December 2021	Control Systems Engineer, Leading Exporting Co. Ltd, Uganda
July 2015 – December 2018	Network Systems Engineer, Leading Distillers (U) Ltd, Uganda
August 2012 – May 2013	Tutorial Assistant of Engineering Mathematics at CEDAT, MUK.

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MAJOR AREAS OF INTEREST IN ICT

IoT & Embedded Systems Design

TinyML (Machine Learning for Embedded Systems)

Robotics and Drone Technology

Autonomous Vehicle Technologies

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PACIFIQUE NIYONGABIRE

Burindian

English, Kiswahili, French, Kirundi

MSc EMoS track: Embedded Systems

BSc in Computer Engineering, University of Burundi, Bu+255767852822rundi.

ACHIEVEMENTS & CERTIFICATES

Fixed telephone subscriber management system, Onatel Burundi, 2020

Geographic Information System (GIS) training, Mediabox Burundi, 2020

DANDAZA, The inventory management solution that helps to digitize, simplify, and automate stock and flow management, Burundi, 2021.

PROFESSIONAL SKILLS

PHP, JavaScript, HTML/CSS
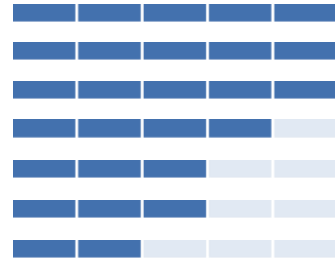
MySQL/SQL/MSQL Server/Oracle

Graphics Designs and Videography

C/C++ Programming

Java Programming

Mobile Application Development

Python Programming

WORK EXPERIENCE

July 2021 – Sept 2021	Web Programming Facilitator, BICADEC, Burundi
April 2021 – Jan 2021	Software developer, Mediabox, Burundi
June 2019 – Dec 2020	ICT Manager, United Youth Company, Burundi

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MAJOR AREAS OF INTEREST IN ICT

Cyber Security

IOT For industrial Automation

Software development

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East African Community

german cooperation
DEUTSCHE ZUSAMMENARBEIT

gíz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

DAAD Deutscher Akademischer Austauschdienst
German Academic Exchange Service

hochschule mannheim

CARL VON OSSIETZKY universität OLDENBURG

DLR Deutsches Zentrum für Luft- und Raumfahrt
German Aerospace Center

Moi University
Foundation of knowledge

University of
Dar es Salaam

KABALE UNIVERSITY
KNOWLEDGE IS THE FUTURE

UNIVERSITY OF TECHNOLOGY AND ARTS OF BYUMBA

UNIVERSITE DU BURUNDI
Le grenier du savoir

UNIVERSITY OF JUBA

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