

CURRICULUM VITAE

BIOGRAPHY

Name : **MUSUBUGA JOB NELSON**
Date of Birth : 12th / Mar/1998
Sex : Male
Nationality : Ugandan
Phone : +256771663602 /+256704255651
Email : job.musubuga@gmail.com

PERSONAL PROFILE SUMMARY

Musubuga is a graduate student of Makerere University. He is a self-motivated person, responsible and flexible with good Interpersonal skills. He is composed with strong analytical skills, problem-solving ability and a high level of integrity. He looks toward enhancing his professional skills, capabilities, and knowledge in an organization that recognizes the value of hard work and trusts him with responsibilities and challenges. He also dreams of making the world a better place through sustainable engineering solutions for the Agricultural sector and a safe environment for human life.

EDUCATION HISTORY

2022– Up-to-Date	MAKERERE UNIVERSITY	<i>MSc. Agricultural Engineering</i>
2018- 2022	MAKERERE UNIVERSITY	<i>BSc. Agricultural Engineering</i>
2015- 2016	KIIRA COLLEGE BUTIKI	<i>UACE</i>
2011- 2014	GOOD SHEPERD HIGH SCHOOL-BWEYOGERERE	<i>UCE</i>
2004- 2010	KAMIIGO PRIMARY SCHOOL	<i>PLE</i>

ACHIEVEMENTS AND AWARDS

1. Certificate of completion of an SDG summer course on Carbon neutrality at Zhejiang University, from 1st – 15th August 2022.
2. Certificate of attendance for a course on the general aspects of Rural development from 7th – 11th February 2022.
3. Certificate of attendance for the course on Irrigation and Science Technology from 7th – 11th February 2022.
4. Certificate of appreciation, for having served as the Guild representative Councillor of the School of Food Technology, Nutrition and Bio-Engineering for the year 2019/2020.
5. Certificate of appreciation, for organizing the agricultural day at Makerere University, on 23rd October 2019.

WORK EXPERIENCE

Date from - Date to	Location	Company& reference person (name & contact details)	Position	Description
October 2022 – Up-to-date	Kampala, Uganda	Makerere University, Department of Agricultural and Biosystems Engineering,	Teaching Assistant	<p>Lecturing three course units; Engineering Drawing (Solid Edge Software) to first year students of, Agricultural Engineering, Bioprocessing Engineering and Water and irrigation Engineering, Earth moving Equipment to fourth year students of Agricultural Engineering and Water and Irrigation Engineering and Civil Structures to Third year students of Agricultural Engineering.</p> <p>Key Roles</p> <ul style="list-style-type: none"> i. Prepared lecture material and conducted lectures to undergraduate students under the guidance of a Lecturer ii. Assisted in setting tests, examinations and coursework iii. Assisted in marking tests and examinations scripts and compiling examinations results iv. Assisted in administering and invigilating tests, examinations and coursework
January 2022 to November 2022	Kampala – Uganda	<p>Department of Agricultural and Biosystems Engineering, Makerere University</p> <p>Prof. Ahamada Zziwa 0701636233 Project Supervisor</p>	Graduate Research Assistant	<p>Main activities and responsibilities</p> <p>As a Graduate Research Assistant, I worked on a project to enhance the performance of a hybrid greenhouse solar dryer using Computational Fluid Dynamics. The project involved redesigning, optimization and performance analysis.</p> <p>Specific activities include;</p> <ul style="list-style-type: none"> i). Designing of the Greenhouse Solar dryer and its other components such as a backup burner and superstructure structure. ii). Determining the amount of material required to construct the Hybrid Greenhouse Solar dryer (Making of BOQ). iii). Analysis of the temperature distribution within the dryer. iv). Analysis of the quantity of heat energy given by a backup burner and the amount of biomass needed to give off that certain heat energy. v). Report writing for the done work.

April, 202 to May 2014	5 th Street Industrial Area, Kampala – Uganda	Engineering Solutions Limited Ddumba Rogers 0703150708 Work supervisor	Short Contract Engineering Technician	I worked as a short-time contractor to carry out the following activities; i). Assembling of tractors and their parts. ii). Assembling of the tractor implements like the harrows, ploughs, and planters amongst others. iii). Planning for the activities to be done in a day. iv). Pre-delivery Checks of the assembled equipment and tractors.
January 2021 to February 2022	Banda, Kampala - Uganda	New Devine Engineering Works and Contractors Lukungu Moses Waiswa +256758831256	Apprenticeship Workshop Engineer	While at this place, I served as an Apprenticeship engineer of the company where I had the following roles; i). Design and modelling of the different machines to be fabricated ii). Checking the work done by the workers if it is properly done. iii). Scheduling of the different activities to be done within the week iv). Division and assignment of different activities done by the workers. v). Procurement of materials for work to be done at the workshop. vi). Taking records of all the activities done at the workshop.
September 2020 to October 2020	Jinja - Uganda	Iziru Muyombi Garage Innocent Ofirira +256779657261 Training Supervisor	Industrial Trainee	During my training at Iziru Muyombi Garage, I participated in activities such as; i). Motor vehicle repair and maintenance. ii). Changing engine oil for sugarcane trucks. iii). Repairing the steering system of the trucks iv). Repairing the clutch system of the sugarcane truck. v). Troubleshooting the different faults in trucks. vi). Taking records of the different activities done.

May 2019 to July 2019	Kyenjojo – Uganda	Mwenge Tea Estate Mr. Odokonyero Godfrey Factory Engineer	Industrial Trainee	As an industrial trainee, I participated in; <ul style="list-style-type: none"> i). Determining the modifications on the tea harvesting tools for easy use. ii). Repairing of the tea harvesting tools and knapsack sprayers. iii). Scheduling of maintenance activities for the different machines used at the factory. iv). Taking records of the activities done at the factory. v). Milling and sharpening of the rollers used in tea processing. vi). Records and report writing of the activities done while in the internship.
--------------------------	----------------------	---	--------------------	--

SKILLS

Computational Fluid Dynamics simulations, Report writing skill, Computer-Aided design, Leadership skills, Supervisory skills, Accountability skill.

PERSONAL COMPETENCIES

Technical knowledge of civil farm structures and Design, Composed with technical knowledge for irrigation, Ability to work with people of different ethnic, religious and educational backgrounds, Ability to work independently, Project management knowledge, Ability to do effective planning with the ability to make BOQs, Analytical skills, Quick learner, Approachable, self-motivated, reversed and eminent.

LANGUAGES

Language	Speaking	Writing	Reading
English	Very Good	Good	Excellent
Lusoga	Excellent	Very good	Good
Luganda	Good	Good	Good

RESEARCH PROJECTS

1. Optimization and performance evaluation of a hybrid solar dryer.

I'm currently working as a research assistant on this project under the ministry of science and technology through the Department of Agricultural Engineering at Makerere University. The best design for the dryer is to be made and optimum operating conditions determined for drying different fruits and vegetables.

2. Computational Fluid Dynamics Modelling of an atomized egg spray dryer.

This was a project I worked on to determine the optimum operating conditions of a locally designed egg spray dryer under the department of Agricultural and Bio-systems Engineering at Makerere University. It was aimed at ensuring the production of shelf-stable egg powder.

INTERESTS AND ACTIVITIES

Playing Chess, Interacting and making friends, Travelling, discovery & adventure, Making Research, Taking part in Leadership

PROFESSIONALS AND CHARACTER REFEREES

PROF. ISA KABENGE

Head of Department,
Department of Agricultural and
Biosystems Engineering,
Makerere University
Email: isakabenge@gmail.com
+256772377172

DR. BALIMUNSI HUSSEIN KIVUMBI

Lecturer, Department of
Agricultural and Bio-systems
Engineering, Makerere
University
Email:
kivumbi.balimunsi@mak.ac.ug
Tel: +256752800207

ASSOC. PROF. AHAMADA ZZIWA (P.H.D)

Lecturer, Department of
Agricultural and Bio-systems
Engineering, Makerere
University
Email: engzziwa@gmail.com
Tel: +256772636253