

CURRICULUM VITAE
Obadiah Burugu Nganga
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PROFILE

I am a hardworking gentleman spirited in team building and highly motivated. I have excellent interpersonal and communication skills. I am able to pick up new skills and interact cooperatively with others with realistic focus and a strong initiative towards task completion and persistence in pursuit of goals.

PERSONAL DETAILS

RELIGION: Christian
NATIONALITY: Kenyan
DATE of BIRTH; 1980
MARITAL STATUS: Single
ID NO: 22170914

CAREER OBJECTIVE

To be able to utilize and fully exploit the skills acquired in engineering studies in an organization that works towards fulfilling societal and consumer wants and utilities through technological advancement and research.

To come up with innovations and inventions designed to improve industrial processes and solve engineering problems.

PROFESSIONAL QUALIFICATIONS

May 2010 to Date: JKUAT
Master of Science (MSC) in Energy Technology

2001-2007: EGERTON UNIVERSITY
Bachelor of Science in Manufacturing Engineering

EDUCATIONAL BACKGROUND

- May 2010 –To date** **(JKUAT)**
Master of Science (MSC) in **Energy Technology**
- August 2001– Sept 2007:** **EGERTON UNIVERSITY.**
Bachelor of Science (BSc) in **Manufacturing Engineering**
- Jan 1995 – Nov 1998:** **GATHIRU-INI HIGH SCHOOL**
Kenya Certificate of Secondary Education (K.C.S.E.)
- Jan 1987- NOV 1994** **GITHUNGURI TOWNSHIP PRIMARY SCHOOL**
Kenya Certificate of Primary Education (K.C.P.E)
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SKILLS

Proficiency in computer skills: -

- MS project
 - MS office
 - Computer programming with visual basic
 - Web design with html.
 - Computer maintenance.
 - Computer aided engineering (computer aided design) AUTO CAD).
 - Modelling with ANSYS and Solid works
 - Assembly language programming
 - Microcontroller and PLC programming
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WORK EXPERIENCE

1. KENYATTA UNIVERSITY

Department of Mechanical and Manufacturing Engineering.

September 2010-to date

Teaching assistant (Department Of Mechanical And Manufacturing Engineering)

2. LINK SOFT COMMUNICATIONS SYSTEMS; (NAKURU REGION).

Maintaining Safaricom base transmitter stations (BTS)

August 2007-September 2008

- Generator maintenance
- Servicing air conditioning systems.
- Troubleshooting and rectifying switch board malfunctions(ATS, APS, TI70, TI163)
- Programming and configuration of the programmable logic controllers (PLC)
- Maintenance of remote alarm systems and electric fence.

- Attending to emergency maintenance operations on a 24 hour basis, in cases of breakdowns such as generator mains failure

3. CMC MOTORS (ENGINEERING DIVISION)

Mechanical Engineering Trainee

September 2006 – November 2006

Responsibilities

- Drawing and design of trailers and trucks and other machinery using AutoCAD software.
- Designing and fabrication of different types of trailers, air conditioning systems, steel tanks, fuel and water browser, Special vehicles, centrifugal air pumps, blowers, fume hoods among others.
- Represented CMC motors at the NAIROBI INTERNATIONAL TRADE FAIR

4. NAMPAK (K) LTD

Mechanical Engineering Trainee

January 2005 – April 2005

Responsibilities

- Repair and Maintenance (Technical Services Department, (TSD), operations of the centre lathe
- Plumbing and installation of new machinery
- Electrical installation, maintenance of generators and power control boards.

5. KENYA RAILWAYS WORKSHOP

Mechanical Engineering Trainee

May 2004 – June 2004

Responsibilities

- General foundry work
- material testing in the metallurgical laboratory
- Repair and servicing of; compressors, turbo blowers, diesel engines, motors and alternators.
- Rewinding motors.

ACHIEVEMENTS

- July 2006: Member on the International Community of The Red Cross.
- Jan 2006-July 2007: Training Engineering Student AutoCAD skills.
- 2004-2007: Chairman Engineering Association Egerton University
- 1997-1998: Chairman, Science Club (Gathiru-ini Secondary School)

PROJECTS

- Optimization of power generation in low head small hydro power plants using water pressure boosting
- Fuel and energy saving device
- Remote sensing data logger
- Solar/kerosene powered incubator
- Automatic irrigation control system

HOBBIES

- Nature retreats
- Reading Scientific Journals and Magazines
- Listening to Gospel Music
- Watching scientific movies and discovery channel
- Travelling and making friends

PERSONAL ATTRIBUTES

- Reliable and dependable – high personal standards and attention to details
- Outstanding planning and organizational skills.
- Great team worker ,adaptable and flexible
- Solid approach to achieving task and objectives; determined and decisive.
- Excellent interpersonal skills ,good communicator high integrity
- Seeks new responsibilities irrespective of reward and recognition.
- Self motivated and ability to work with minimal supervision.

REFEREES

1. Dr, Benedict, M. Mutua; PhD

Dean; Faculty of Engineering and Technology,
Egerton University,
P.O. Box 536-20115,
Egerton, Kenya.

2. Mr. Muchiri

Senior Lecturer/Consultant,
Department of Civil and Environmental Engineering,
(Patron, engineering association),
Egerton University,
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3. Eng. Vincent Odhiambo,

Lecturer, Department of Industrial and Energy Engineering,
Egerton University,
P.O box 536-20115
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4. Mr. Mwachlungo Mgandi

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