

Niva Eliakim Akhusama

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P.O Box 53552-00200, Nairobi.

Profile

- Effective team player, confident and result-oriented.

Skills

- Materials, Mechanical and Electrical Engineering; Maintenance and Safety.
- Research work.
- Computer Proficiency; MS office, Projects, Mechanical Desktop and AutoCAD.

Personal details

- **Nationality** : Kenyan.
- **Gender** : Male.
- **Date of birth** : 5th November, 1981.
- **Languages** : English, Kiswahili.

Education

- 2014-2015: **Completed writing PhD proposal in Mechanical Engineering**
University of Nairobi.
- 2009-2012: **Master of Science in Mechanical Engineering (Applied Mechanics)**
University of Nairobi.
- 2001-2006: **Bachelor of Science in Mechanical Engineering.**
Jomo Kenyatta University of Agriculture and Technology.
- 1996-1999: **Kenya Certificate of Secondary Education (K.C.S.E).**
Moi Forces Academy, Nairobi.

Career Objective

- To be a leading academic researcher in a leading learning institution.

Work experience

2016 to date: **Part-Time Lecturer**

University of Nairobi

- Teaching FME 251(Materials science and Engineering I), FME 252 (Materials Processing I), FME 351 (Materials science and Engineering II) and FME 352 (Materials Processing II).
- Administering Continuous assessment tests
- Conducting Laboratory sessions.
- Marking examinations.

2012 to 2016: **Assistant Lecturer**

Jomo Kenyatta University of Agriculture and Technology

2010: **Laboratory/Tutorials Assistant.**

African Materials Science and Engineering Network (AMSEN), UON Node.

- Preparing and conducting tutorials in Solid Mechanics.
- Preparing and conducting Materials Science laboratories.
- Grading assignments and reports.

- Performing other related duties as assigned.

2007: Silo Controller-Engineering.

Unga Holdings Limited.

- Supervise the silo staff during maintenance for uninterrupted plant availability.
- Ensure equipment is in good working condition and storage of spare parts.
- Ensure smooth continuous operation by taking failure analysis and corrective steps.
- Enhancing health and safety (SHE) protocols at the work stations.
- Enforcing Kaizen initiatives, Total Quality Production (TQP) and staff coaching.

2006: Graduate Service Engineer.

East African Foundry Works (K) Limited.

- Developing and maintaining relationships with materials suppliers and customers.
- Ensure effective management of company resources through optimization in budgeting.
- Maintaining engineering standards to ISO 9002 Quality System.
- Monitoring adherence of staff to set KPI as set by the company best practices.
- Repairing, testing and maintaining equipment and services.

Work study

2005: On-site Gang-Lead.

University Construction Management department.

- Assisted the construction coordinator in general site administration.
- Supervised mechanical and electrical installations.
- Maintained inventory and workers register in my gangs.
- Trained new staff on safety standards and did inductions.

2005: Hot water project Team-Lead.

University Halls of Residence.

- Led a team of seven appointed by DVC, planning and administration.
- Coordinated the activities of the team while giving feedback to the DVC.
- Designed the solar heating system and maintenance manual.
- Gave recommendations on future usage of the system.

Student internship

2005: Entrepreneurship Project Associate.

Kenya Gatsby Trust Foundation-Nairobi.

- Diagnosed technology related problems.
- Made appropriate recommendations for implementation.
- Made technological innovations to improve performance.
- Gave cost saving suggestions and plan of operations.

2004: Engineering Apprentice.

Mumias Sugar Company.

- Trained in general plant breakdown and preventive maintenance.
- Acquired skills in the synthesis of processing plants.
- Improved skills in welding, machine work and dynamics.
- Studied modern plant Mechatronic system and computerized breakdown diagnosis.

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Achievements

- Certificate of academic excellence, form four examinations.
- Certificate of participation, leadership training held in La-Mada in 2005.
- Certificate of recognition in physics project innovation.

Leadership responsibilities

- 2006: Chairman, University Electoral Commission.
- 2006: Chairman, Society of Engineering Students.
- 2005: Public Relations Secretary, Academic Committee.
- 2004: Representative, Faculty of Engineering.
- 2003: Representative, Mechanical Engineering Department.
- 1999: General Secretary, Christian Union

Community affairs

2007: Treasurer, Western University Students Association, a forum that involves Peer Counseling and motivation, fight against HIV/Aids and drug abuse in Western province.

Hobbies and interests

- Reading business journals and magazines.
- Listening to international electronic media.
- Making friends.
- Listening to music (classical music) and Traveling.

Referees

Prof. (Eng.) John .M. Kihiu,

Associate Professor,
Mechanical Engineering Department,
Jomo Kenyatta University of Agriculture and Technology.
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