Ibrahim Selunkuma

~~Water Resources Engineer~~

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Water Resources Engineer with 5 years of experience in water system planning, design, and construction oversight. ~~Actively contributed to the design phase and provided support during project construction~~. Strong experience in Hydrology and Hydraulics, Water Resource Management, Flood modeling and forecasting, Urban and Highway drainage, Water supply, and Sanitation Engineering.

Key Skills

• • • • •
Project Management

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Interpersonal Communication

• • • • •
Hydraulic Modeling

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Hydrological Modeling and

• • • • •
HEC RAS

• • • • •
HEC HMS

• • • • •
SewerCAD

• • • • ○
AutoCAD Civil 3D

• • • • •
EPANET and WaterCAD

• • • ○ ○
Python

• • • • •
R - Programming

• • • ○ ○
HYDRO AS 2D modeling

• • • • ○

Annotations (handwritten notes):

- "be consistent with your bullet format, they should always start with an active verb ("conducted", "analyzed", etc)"
- "remove this title since you would be looking for a new role, and you mention this in your summary statement below"
- "I would format this differently so the scale is placed to the right as opposed to above the skill that you are ranking yourself, it gets confusing when you get down the list"
- "I would remove "interpersonal communication", doesn't really fit in with the rest of your technical/software skills"
- "you should extend this line to the bottom your resume"

Professional Experience

Research Assistant

TH Köln - Cologne University of Applied Sciences| November 2022 - Present

- Flood forecasting studies
- Hydraulic modeling
- Surface Hydrology
- Data analysis in R programming language
- Conducting tutorials in the flood Management Module

Praktikum

Hydrotec Ingenieurgesellschaft für Wasser und Umwelt mbH | April 2022 - July 2022

- R programming and automation .
- Created a dyke extraction tool with R programming.
- Geo-spatial analysis and processing in ArcGIS and QGIS software.
- Hydro_AS_2D Hydraulic modeling.
- Surface-water Modeling System (SMS).

Water Resources Engineer

PROME Consultants Ltd | June 2016 - December 2020

- Designed and implemented wide various municipal projects for water and sewer piping systems, water storage, and water reuse.
- Hydrological investigations and modeling.
- Collaborated with Project Manager for water and sewer project design and construction phases.
- Design of Hydraulic structures for urban flood protection and highway drainage.
- Flood Risk modeling and forecasting.
- Sediment transport analysis and modeling.
- Preparation of Catchment Management Plans, Water Allocation and Accounting.
- Surface-water Modeling System (SMS).
- Planned and designed projects with software such as AutoCAD, ArcGIS, Civil 3D, Sewer CAD, HEC RAS, HEC HMS, HY-8, StormCAD, EPA SWMM, WaterCAD, Epanet.

Trainee Engineer

Nile Breweries Ltd | June 2015 - August 2015

- Process control on the effluent treatment plant.
- Collaborated with senior engineers on complex projects.
- Developed, prepared, and reviewed reports and studies to identify and recommend engineering solutions.
- Assisted with coordination of new equipment installation and implementation.
- Water quality testing and laboratory analysis.
- Interpreted blueprints and technical drawings to analyze upcoming projects.

Trainee Engineer

Kayunga District Local Government | June 2014 - August 2014

- Interpreted blueprints and technical drawings to analyze upcoming projects.
- Water demand projections and extensions or new connections of the water supply system.
- Traveled to job sites with senior personnel to aid in inspections and ongoing project observations.
- Carried-out maintenance of the Water Treatment Plant equipment and installations.

Surface-water Modeling System (SMS)

● ● ● ● ●

Analytical and Critical Thinking

● ● ● ● ○

Good team player

● ● ● ○ ○

Machine learning in R

● ● ● ● ●

ArcGIS and QGIS

I would remove "good team player", doesn't really fit in with the rest of your technical/software skills

Education

October 2020 - 2022	**MSc. in Integrated Water Resources Management.**

Cologne University of Applied Sciences - TH Koelnat Koeln, Germany

DAAD scholar

- Applied Hydrology
- Hydraulic Engineering and Hydraulic Structures
- Flood Forecasting and modeling
- Public Health and Sanitation
- Water Supply and Wastewater Engineering
- Drougt forecasting and management
- Framework Water Resources Planning

typo - "drought"

August 2012 - May 2016	**Bachelor of Engineering in Environmental Engineering and Management**

Kyambogo University at Kampala, Uganda

Graduated with Honours degree

- Water Resources Engineering
- Sanitation and Drainage Engineering
- Water supply and Wastewater Engineering
- Hydrology and Hydraulics
- Applied Fluid mechanics and Hydraulic structures
- Environmental Engineering Design
- Environmental Impact Assessment

Affiliations

- German Association for Water, Wastewater and Waste e.V (DWA)
- American Society of Civil Engineers (ASCE)
- International Water Resources Association (IWRA)

what is DWA? is this a new bullet or part of the first bullet?

Languages

- English - Highly Proficient
- German - Intermediate level

fix format so "intermediate level" is on one line

References

- Dipl. Lisa Friedeheim, Hydrotec Ingenieurgesellschaft für Wasser und Umwelt mbH. Email: lisa.friedeheim@hydrotec.de, Tel: +49-173-5787646
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