

JOSEPH BENETH KANKAM

Department of Geomatic Engineering

PMB, KNUST, Kumasi, Ghana, West Africa

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SUMMARY

I am a dedicated and experienced Geomatic Engineer with a strong background in engineering and cadastral surveying, remote sensing, and GIS. My career encompasses field data collection, survey instrumentation, control network management, and technical training. I have a proven track record in managing complex surveying projects, ensuring high-precision, reliable data, and effectively mentoring students and professionals.

EXPERIENCE

March 2021 - Present (study leave) **Professional Land Surveyor / Senior Technician | Department of Geomatic Engineering, KNUST, Kumasi, Ghana**

- Conduct cadastral and engineering surveys with precision and accuracy.
- Specialize in setting out, detailing, resection, intersection, and deformation monitoring.
- Oversee GNSS data collection projects, including for three thermal plants, ensuring high-quality spatial data.
- Manage and maintain GNSS laboratory operations, including the development and monitoring of control networks.
- Train students and professionals in advanced surveying techniques and remote sensing applications.
- Prepare detailed technical reports and manage comprehensive project documentation.

August 2019 - Present **Part-time Professional Land Surveyor | Innovation Survey, Kumasi, Ghana**

- Execute diverse cadastral and engineering survey projects, measuring heights, setting out drainage works, and performing deformation monitoring surveys.
- Conduct cut and fill surveys, map plotting, and editing for multiple projects.
- Collaborate closely with project teams to ensure adherence to project specifications and standards.

August 2018 – August 2019 **Teaching and Research Assistant | Department of Geomatic Engineering, KNUST, Kumasi, Ghana**

- Assisted academic staff with drafting, technical field practical tasks, and data analysis.
- Supported research initiatives by analyzing survey reports, maps, and topographical data.
- Contributed to lectures and practical sessions, enhancing learning experiences for students.

May 2017 – August 2017 **Assistant Surveyor | Geodecon Survey Limited, Ghana**

- Facilitated construction projects by mapping installations, establishing reference points, and monitoring levels.
- Prepared detailed cadastral and topographic maps to support project planning and execution.

May 2016 – August 2016 **Assistant Surveyor | Department of Urban Roads, Techiman – Bono East Region, Ghana**

- Carried out drainage network setup and road leveling work.
- Measured and profiled road conditions, supporting maintenance initiatives and volume computations.

EDUCATION

August 2025 To Date **Master of Philosophy in Civil Engineering** *NATIONAL YANG MING CHIAO TUNG UNIVERSITY*

- Major: Geodesy Minor: Survey

March 2024 **Master of Philosophy in Geomatic Engineering** *KWAME NKRUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY (KNUST), KUMASI, GHANA*

- Major: Geographic Information System Minor: Survey

June 2018 **Bachelor of Science in Geomatic Engineering** *KWAME NKRUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY (KNUST), KUMASI, GHANA*

- Major: Land Surveying Minor: Remote sensing and Geographic Information System

June 2018 **General Science, MFANTSIPIM SCHOOL, CAPE COAST, GHANA**

SKILLS

Surveying Techniques:

Extensive experience in engineering surveying, including setting out, detailing, resection, intersection, and deformation monitoring.

Proficient in cadastral and engineering surveys, Total Station, Theodolite, Automatic level, GPS & GNSS data collection, and UAV-based mapping.

Technical Expertise:

Skilled in geospatial analysis using AutoCAD, ArcGIS, QGIS, ERDAS, Trimble, Topcon, LISCAD, and Surfer.

Proficient with advanced survey equipment such as Total Stations, Theodolites, Automatic Levels, DJI Phantom drones, 3D Scanners, and Digital Levels.

Research & Data Analysis:

Extensive experience using remote sensing and GIS for spatio-temporal environmental analyses.

Proven ability to manage spatial datasets and produce detailed technical reports

Leadership & Training:

Experience as a Senior Technician and Professional Land Surveyor, including training students and professionals in GNSS applications and surveying techniques.

Former President of the Association of Geomatic Engineering Students (2016/2017).

Communication & Interpersonal Skills:

Strong capability to work both independently and as part of multidisciplinary teams.

Demonstrated aptitude for clear, effective communication in academic and professional settings.

Additional Competencies:

Driving Licence B; International Driver Licence.

Artistic skills in 3D visualization and engineering drawing.

Certifications

- 2022 Professional member, Ghana Institution of Surveyors
- 2020 MOOC Cartography, ESRI

Professional References

- Prof. Jonathan Arthur Quayeballard, Professor and Head of Department, Kwame Nkrumah University of Science and Technology. **Email:** quayeballard.soe@knust.edu.gh **Tel:** +233 27 747 4073 / +233-20-1271-628
- Prof. Samuel A. Andam-Akorful, Associate Professor, Kwame Nkrumah University of Science and Technology (KNUST), PMB, Kumasi-Ghana. **Email:** saandam-akorful.coe@knust.edu.gh **Tel:** +233 – 209 – 104956

Annexes: Relevant Certificates and Supporting Documents



KWAME NKURUMAH
University of Science and Technology

This is to certify that

Joseph Beneth Kankam

Having pursued a prescribed course of study,
and having passed the requisite examinations this *1st March, 2024*
has been duly admitted by the University to the

Master of Philosophy
(Geomatic Engineering)

Given under our hand

CERTIFIED TRUE COPY

[Signature]
SENIOR ASSISTANT REGISTRAR
(EXAMINATIONS)
ACADEMIC AFFAIRS DIVISION
KWAME NKURUMAH UNIVERSITY OF
SCIENCE AND TECHNOLOGY
KUMASI-GHANA

Student Registration No:

PG9638919



[Signature]
Vice-Chancellor

[Signature]
Registrar

GHANA INSTITUTION OF SURVEYORS



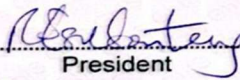
This is to certify that

Surv. Joseph Beneth Kankam

Having pursued the prescribed Course of Professional Competence of the Land Surveying Division of the Institution and having satisfied all the required criteria for membership of the Institution was on December 20, 2022 duly admitted a

**Professional Member
of the
GHANA INSTITUTION OF SURVEYORS**

Given under my hand this 20th day of December, 2022


.....
President

Membership No.2800.....

This certification is subject to annual renewal and under the condition stipulated in the Bye-Law of the Institution



hereby recognizes that

JOSEPH BENETH KANKAM

has attended the MOOC

Cartography.

6 weeks

Completed on June 8, 2020



Jack Dangermond
President



KWAME NKURUMAH
University of Science and Technology

This is to certify that

Joseph Beneth Kankam

Having pursued a prescribed course of study,
and having passed the requisite examinations this *1st June, 2018*
has been duly admitted by the University to the Degree of

Bachelor of Science
(Geomatic Engineering)

SECOND CLASS HONOURS (Upper Division)


Given under our hand

Student Registration No:

2228914




Vice-Chancellor


Registrar



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