



## **NANGENDO JACQUELINE**

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### **PROFESSIONAL SUMMARY**

- Persistent leader eager to lead and grow organizations.
- Skilled in strategic planning, problem-solving, and communication with a good understanding of business principles, project management and team leadership.
- Collaborative with a relentless work ethics.
- Organized and dependable candidate successful at managing multiple priorities with a positive attitude. Willingness to take on added responsibilities to meet team goals. Detail-oriented team player with strong organizational skills.
- Ability to handle multiple projects simultaneously with a high degree of accuracy.
- To seek and maintain a full-time position that offers professional challenges utilizing interpersonal skills, excellent time management and problem-solving skills.

[1] Ph.D. Oil and Gas Field Development  
**China University of Petroleum (East China)**

#### **Research Publications**

1. Investigation of the effect of surfactant co-injection on steam chamber expansion and oil production in steam-assisted gravity drainage in reservoirs with barrier layers; Journal of Petroleum Science and Technology (SCIE). <https://doi.org/10.1080/10916466.2024.2417741>
2. Effect of interfacial tension reduction agents on fluid flow and oil production in reservoirs with low permeability interlayers. Article No.1009 InterPore 2024 Conference
3. Catalytic pyrolysis behaviour of heavy crude oil over acid-base composite catalysts, DOI: 10.1016/j.fuel.2022.125285
4. Experimental research on the mechanisms of improving water flooding in fractured-vuggy reservoirs. March 2022 Journal of Petroleum Science and Engineering, DOI: 10.1016/j.petrol.2022.110383
5. Gas sorption-induced pore radius change and their impact on gas apparent permeability, SN Applied Sciences, DOI:10.1007/s42452-020-03928-z
6. Study of gas sorption, stress effects and analysis of effective porosity and permeability for shale gas reservoirs, Journal of Petroleum Science and Engineering, DOI:10.1016/j.petrol.2020.107370
7. Shale gas reservoirs, Journal of Petroleum Science and Engineering, 2020
8. Thesis Statement: **A study on the influence of surfactant on steam chamber growth in SAGD production of reservoirs with low permeability interlayers**

### **EDUCATION**

[2] January 2016: Master of Science: Petroleum Geoscience  
**Makerere University**, Uganda

- 4.85/5.00 GPA

**Research and Academic achievements**

1. **Dissertation:** Quantitative evaluation of 3D seismic data to determine reservoir properties in Turaco prospect, Uganda
2. Stratigraphic mapping in Semliki basin-Uganda
3. Field excursion in the Albertine graben-Uganda
4. Recipient of Certificate in Advanced Seismic Data Processing, [3, 2013]
5. Recipient of Certificate in Rift Tectonics and Sedimentation, [Semester 3, 2013]
6. Recipient of Certificate of participation in Imperial Barrel Award (IBA)-Lagos, Nigeria, [Semester 4, 2014]

[3] January 2012: Bachelor of Science: Geology and Chemistry  
**Makerere University**, Uganda

- 3.92/5.00 GPA
- Geological Mapping in the Igayaza area in South Western Uganda, [conferences],
- Participated in the 5th East African Petroleum Conference, EAPAC'11 (2011)
- Participated in the Society of Exploration Geophysicist Challenge Bowl (2011), [Captain or Leader]
- Advisor for the Makerere University Geological Association (2009-2011)
- Advisor, Editorial Board of Makerere University Geology Association Magazine (2009-2011)
- Deputy speaker for Makerere University Geological Association (2009-2010)

[4] January 2007: High School Certificate: Physics, Chemistry, Mathematics

**Gayaza High School**, Uganda

- [Prefect] of [Gayaza High School]
- Practical and theoretical study in Physics, Chemistry, Mathematics and German language

[5] January 2005: High School Certificate: Physics, Chemistry, Mathematics, Biology, English

**Gayaza High School**, Uganda

College certificate in 10 Subjects;

Physics, Chemistry, Mathematics, Biology, English, German, Geography, Literature in English, Commerce, History.

- Member of the Geology Society of Uganda (G.S.U)
- Member of the Society of Exploration Geophysicists (SEG)
- Member of the American Association of Petroleum Geologists (AAPG)
- Member of the Society of Petroleum Engineers (SPE)

**PROFESSIONAL BODIES**

**KEY SKILLS**

- Geological surveying and mapping

- Hydrogeology
- Environmental impact assessment
- Mineral resource exploration and evaluation
- Ground water exploration, siting, assessment, evaluation and management
- Report writing and technical documentation
- Geographical information system
- Project management
- Problem-solving abilities
- Interpersonal relations
- Entrepreneurship skills

**Organizational Skills And Qualities**

- Teamwork; I am a good team player capable of working as a team with an undeniable input in teamwork.
- Ability to work under pressure; I have a great ability to handle and work under pressure when need arises.
- Dedicated worker; I am a dedicated worker who sets out to complete all assignments due to me in the assigned time, even when it means working beyond usual working hours.
- Leadership: During my time as a student, I played the following roles;
- Assistant Student Counselor, College of International Education, China University of Petroleum (East China), 2020–2021
- Advisor for the Makerere University Geological Association (2009-2011)
- Advisor, Editorial Board of Makerere University Geology Association Magazine (2009-2011)
- Deputy speaker for Makerere University Geological Association (2009-2010)
- House prefect at Gayaza High School (2006-2007)

**Computer Skills and Software**

1. MS Office,
2. Petrel,
3. Mat lab, Arc GIS
4. Origin
5. Computer Modelling Group Software (CMG)
6. Quick books

**Work History**

**Position, Roles and responsibilities**

**June 2015 - Current**

**Operations Manager, *Geoscience Consultants Limited* , Uganda**

- Stream executive communication by managing CEO's email inbox and drafting professional correspondence on their behalf.
- Secure and manage projects in Groundwater and mineral exploration
- Carry out geotechnical investigations
- Resource evaluation and management
- Groundwater monitoring and evaluation
- Exploration geophysics and mineral prospecting
- Petroleum Geophysics which include using seismic methods to carry out seismic data processing, data interpretation and analysis, reservoir characterization and reservoir monitoring,

January  
Current

2015

- Petrophysical data processing, interpretation and analysis,
- General Geophysical data processing, interpretation and analysis.
- Geochemical data processing, interpretation and analysis.

- Lecturer, *Busitema University*, Uganda

Lecturer, Faculty of Engineering,

#### **Roles and Responsibilities**

- Deliver lectures to first to fourth-year engineering students on the program of Mining Engineering and Water Resources Engineering.
- Design, write and review course curriculum which improved the course applicability by 50%
- Participate in research activities such as supervision of student's research projects for over 20 students
- Develop and initiate university collaborations with Industry and academic bodies through over three M.O.U.s.
- Utilized distance learning technology to instruct students remotely.
- Led seminars and workshops to facilitate student learning and engagement and increase memory retention.
- Participate in and lead committee meetings to remain aware of developments in the subject.
- Created syllabus and instructional plans for each class session in accordance with stated course objectives.
- Adapted quickly to shifting educational landscapes during remote learning periods, leveraging digital tools to engage students via virtual platforms while maintaining a high level of academic rigor.
- Collaborated with faculty and staff to create meaningful learning experiences.
- Increased student interest by incorporating real-world examples into lessons and connecting material to relevant experiences.
- Implemented differentiated instruction methods to address the unique needs of each learner, ensuring academic success for all students.
- Selected and designed lesson plans and curriculum to meet academic objectives.
- Participated in professional development opportunities to stay current with industry trends and continuously improve instructional approaches.
- Evaluated and supervised student activities and performance levels to provide reports on academic progress.
- Conducted individual research projects to actively contribute to institution's research work.
- Used variety of learning modalities and support materials to facilitate learning process and accentuate presentations.
- Developed strong relationships with colleagues, collaborating on curriculum development and sharing best practices in teaching strategies.
- Enhanced student comprehension by utilizing diverse teaching methodologies and techniques.
- Implemented instructional technologies in course delivery to engage and educate students.
- Assessed students' progress and provided feedback to enhance learning.
- Reviewed program materials and coordinated updates to keep department materials relevant and accurate.

- Conducted engaging in-class discussions to facilitate learning and encourage participation.
- Met with students to dispense study and career advice and provide guidance and potential opportunities within their chosen field.
- Created materials and exercises to illustrate the application of course concepts.
- Provided individualized support for struggling learners, using tutoring sessions and additional resources to close achievement gaps.
- Developed and implemented innovative teaching strategies to engage students in lectures and coursework.
- Participated in conferences and professional development opportunities to stay up-to-date with the latest trends in the field.
- Used PowerPoint and Google Classroom technology to give presentations to student classrooms.
- Created and designed quizzes, tests and projects to assess student knowledge.
- Incorporated instructional technologies in course delivery for both in-class and online instruction.
- Skilled at working independently and collaboratively in a team environment.
- Resolved problems, improved operations and provided exceptional service.
- Self-motivated, with a strong sense of personal responsibility. Worked effectively in fast-paced environments.

June 2011  
September 2011

- Trainee, *Directorate of Groundwater Resources Management*, Uganda
  - Industrial training in groundwater management
  - Groundwater quality analysis
  - Groundwater monitoring evaluation,
  - Groundwater data collection and analysis,
  - Groundwater mapping and delineation of groundwater zones

## LANGUAGES

### German

 Upper intermediate (B2)

### English

 Bilingual or Proficient (C2)

### Chinese (Mandarin)

 Elementary (A2)

### Swahili

 Beginner (A1)