

NGOUAFO MOUNGANG INGRID

Petroleum Engineer

Bamenda, Cameroon | Available for relocation

☎ +237 695 977 509 | +237 672 542 110

✉ ngouafomoungangingrid@gmail.com

🌐 [linkedin.com/in/ngouafo-moungang-ingrid-1602071ba](https://www.linkedin.com/in/ngouafo-moungang-ingrid-1602071ba)

PROFESSIONAL SUMMARY

Petroleum Engineer with growing interest and foundational skills in data analysis and AI applications in the oil and gas industry. Experienced in well performance evaluation, artificial lift optimization, and laboratory data handling. Skilled in basic Python scripting, MATLAB, and engineering software such as PROSPER. Completed academic research applying machine-learning concepts to sand production prediction, reinforcing a strong analytical mindset. Motivated to contribute to data-driven field operations while developing deeper expertise in AI-powered engineering solutions.

TECHNICAL SKILLS

- Data preprocessing and exploratory data analysis
- Basic machine-learning concepts (regression, classification)
- Use of structured datasets from field/lab environments
- Production System Analysis
- Well Performance Evaluation
- PROSPER, MATLAB, Python, MS Excel, PowerPoint, Word
- Laboratory testing and calibration equipment

Certifications

- ISO 9001 Internal Auditor
- ISO 45001 Occupational Health & Safety
- Workplace Safety & Health – OSHAssociation UK

EDUCATION

MSc — Petroleum Engineering: *University of Bamenda, NAHPI (2024–2025)*

Dissertation: *Application of Machine Learning Algorithms for Prediction of Sand Production from oil wells in the Rio Del Rey Basin*

MEng — Petroleum Engineering: *University of Bamenda, NAHPI (2023–2024)*
Thesis: *Comparative Analysis of Two Artificial Lift Methods for Optimal Production of well MI in the Rio Del Rey Basin*

BEng — Petroleum Engineering: *University of Bamenda, NAHPI (2019–2023)*
Project: *Production Optimization Using Nodal Analysis*

Baccalauréat C: GBHS Bamendankwe (2018–2019)

PROFESSIONAL EXPERIENCE

Intern — PAC LAB, Limbe

Mar 2024 – Jun 2024

- Conducted laboratory sampling and analysis under ISO 9001 & ISO 45001 standards.
- Prepared datasets used for quality monitoring and reporting.
- Assisted in equipment calibration to ensure accuracy of collected data.
- Contributed to safety audits and documentation.

Intern — Regional Delegation of Water Resources & Energy, Douala

Aug 2021 – Sep 2021

- Performed quality inspections of petroleum products.
 - Supported generation of regulatory and environmental compliance reports.
 - Worked with multidisciplinary teams to review field data and safety documentation.
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AFFILIATIONS

- Society of Petroleum Engineers (SPE)
 - OSHAssociation UK – Cameroon Branch
 - Charity Against Hunger (CAH)
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REFERENCE

Dr. Ngong Roger Ngia

☎ +237 652 854 630

✉ ngongrogerngia@yahoo.com