

Samuel Opoku

Tel: (409) 225-6412 Email: opokusamuel77@gmail.com

Professional Summary

I am a recent Environmental Engineering Graduate with a strong background in Agricultural and Mechanical Engineering seeking an entry-level position that will utilize my strong technical and analytical skills to solve global problems.

Core Competencies

- Familiar with ISO 14001 & ISO 14040
- Wastewater and Waste Management
- Project Management
- Well versed in current mining industry safety culture
- Environmental Site Assessment & Remediation
- Strong Interpersonal & Communication Skills

Education

Master of Science in Environmental Engineering
Lamar University, Beaumont, Texas

August 2018-August 2020

Relevant courses: Water Supply and Treatment, Biological wastewater treatment, Statics, General Chemistry, Sustainability (LCA), Chemical principles in environmental systems, Lean Manufacturing, Project Management, Engineering statistics, Engineering Ergonomics, GIS, Engineering with Nature (Site Assessment & Wetlands).

Bachelor of Science in Agricultural Engineering
Kwame Nkrumah University of Science and Technology

September 2012-July 2016

Relevant courses: AutoCAD, Engineering drawing, Soil Mechanics, Engineering surveying, Fluid mechanics (1&2), Thermodynamics (1&2), Engineering Technology, Strength of Materials, Heat Transfer, Soil and Water Engineering.

Work Experience

Graduate Research Assistant, Civil & Environmental Department
Lamar University, Texas

August 2019-May 2020

- Investigated the use of algal-based systems for wastewater treatment by removing nitrogen and phosphate.
- Evaluated the feasibility of an activated carbon-based system for wastewater treatment.
- Assisted the department in teaching activities.

Graduate Trainee, Environmental Technician
Golden Star Resources, Ghana

August 2017-July 2018

- Executed environmental site assessments and recommended remediation plans.
- Performed toolbox meetings, evaluations, documented environmental issues and tracked correction plans.
- Conducted environmental audits and facility inspections and also assisted with data storage using EQWIN.
- Prepared EIA reports with senior engineers and helped supervisors with project deadlines.
- Performed induction duties for interns and other workers hired by the company.
- Reviewed all EIA/EMP submitted to the environmental department to meet regulators requirements.
- Assisted with collecting soil, groundwater, surface water, and air samples for environmental analysis in the mine.

Student Intern, Tailing Storage Facility Assistant
Golden Star Resources, Ghana

May 2013-August 2013

- Assisted with the coordination of Dam Safety Inspections (DSIs) and Dam Safety Reviews (DSRs).
- Regularly updated applicable dam safety documents and data records for TSF.
- Assisted P2W personnel in the treatment of sludge and wastewater at the TSF areas.

Software Knowledge

AutoCAD, Civil 3D, ArcGIS, MS Project, MS Excel, MS Word, R Project, EQWIN, CAD/CAM, Flow Master

Laboratory Testing Skills

- Surface and groundwater sampling, soil sampling, Wetland Mapping.
- Soil and rock mechanic tests: sieve analysis, field density, Aggregate Impact Value (AIV).