

EDUCATION

Queens University, Kingston, ON

M.Eng in Mining Engineering, Dec 2015 (Expected)

Colorado School of Mines, Golden, CO

M.Sc in Chemical Engineering, May 2014

New Jersey Institute of Technology Newark, NJ
Minors: Management & Environmental Engineering

B.Sc. in Chemical Engineering, May 2010

PROJECTS

Masters Research Project, Queen's University

May 2015 - Present

- Conducted Rheological tests on Nigerian heavy crude oil samples to determine rheological properties.
- Modified flotation cell apparatus designated for copper ores recovery to suit oil sands bitumen floatation experiments.
- Determined recovery rate of Nigerian Oil Sands Bitumen using different floatation techniques.
- Analyzed oil sands tailings for trace metals to determine economic viability.

Masters Research Project, Colorado School of Mines

Jun 2010 – May 2014

- Conducted tests using a Rheometer (ARES, AR-G2), titrator and electron microscope to characterize crude oil sample rheological properties based on oil, sand and water content matrix.
- Research focused on heavy crude oil in water and water in oil emulsion scenarios and their rheological properties.
- Designed a high-pressure rheology system to test properties of crude oil simulating reservoir conditions. System utilized pressurized methane gas injected into crude oil samples and characterized to reveal viscosity at different sample depths.
- Correlated physical properties of oil samples with chemical properties using NMR and MBMS techniques.
- Presented project findings at the American Chemical Society Annual Meeting.

PUBLICATIONS

"Correlation of chemical and physical properties of an Alaska heavy oil from the Ugnu formation", Fuel, 2012

"A Rheological and Chemical Investigation of Canadian Heavy Oils From the McMurray Formation", Energy & Fuels, 2012

"Viscosity of Alaska heavy oil saturated with methane", Energy & Fuels, 2013

"Rheological and Chemical Properties of Alaska Heavy Oils". OnePetro, 2013

Chemical Engineering Senior Design Project

Jan 2010 – May 2010

- Teamed up with 2 students to design a biological plant for the production of monoclonal antibodies.
- Developed an efficient process to maximize production and reduce cost.
- Educated the team on how to use Superpro; a process engineering and design software.

WORK EXPERIENCE

SIMS|METAL MANAGEMENT EH&S Summer Internship Jersey City, NJ

Summer 2008

- Conducted Safety Inspections around the firm's Recycling Facility.
- Conducted Research on Storm water Profiles around nationwide facilities.
- Redesigned the Safety website and performed updates to reflect and adhere to OSHA Standards.

Web and Social Media Director, Aketi Campaign Organization, Ondo State, Nigeria

May 12 – Oct 12

- Coordinated a team of 13 people in developing web pages, logos, site graphics and content for a governorship campaign.
- Formulated a seamless social network campaign uniquely using the Blackberry Messenger Service, Twitter & Facebook.

Senior Producer and Research & Development Lead, Gidilounge Online Radio, Canada

Nov 11 – Present

- Developed and implemented first show development roadmap for the Radio station.
- Created radio station branding including copywriting towards promoting its new mobile platform.
- Developed and successfully launched 3 radio shows including show deliverables and host improvement appraisal.
- Troubleshoot Radio station issues and proffer solutions to ensure smooth running of scheduled shows.

SKILLS (Multiple years of experience)

MS Office, SuperPro, LabView, OriginPRO, COMSOL Multiphysics, MATLAB, Spartan, COPASI, Aspen, Fireworks, Photoshop, SAM Broadcaster, PHP/CSS/HTML.

AWARDS

NSBE Board of Corporate Affiliates Award
Chemical Engineering department award
TAU BETA PI Honors Society

OMEGA CHI EPSILON Honors Society
PHI ETA SIGMA Honors Society,
HESS Foundation Scholarship.

ACTIVITIES

- ✓ President, The African Student Association (2010)
- ✓ Telecommunications Chair: National Society of Black Engineers, Region 1 (2009)
- ✓ Senior Advisor; PHI ETA SIGMA Honors Society (2007)
- ✓ Freshman Orientation coordinator (2007)
- ✓ Church Dance Ministry Leader (2010)
- ✓ Lead Photographer for Undergraduate College (2010)

RELEVANT COURSE WORK

Economic Guidelines for Exploration Planning; Design, analysis & operation of mineral processes; Flotation Science and Technology.