KOFFI AGBOLO

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OBJECTIVE: Seeking a full time position where I may apply my critical thinking and engineering education in solving problems in an efficient way.

EDUCATION

Prairie View A & M University, Prairie View, Texas   Overall GPA: **4.0/4.0**
Bachelor of Science in Chemical Engineering   Graduation: **May 2017**

RELEVANT EXPERIENCE

Research Student Assistant Intern, Prairie View, TX   **May2016-August 2016**

- Conducted line trials via laboratory and computational modeling to determine the best way to bind ligand with transitional metals
- Implemented a daily management system for collecting result for my weekly presentation
- Commended by my supervisor for completing my projects 2 weeks ahead of time

Synthesis of ligand (Schiff base)

- Developed a procedure in laboratory by mixing m-diaminobenzene dichloride with acetyl acetone and sodium hydroxide
- Built the ligand structure on Linux interface (Gaussian view)

Attachment of transitional metal

- Attached the metals to the ligand via designed process
- Bind the ligand to the metals using several basis set, charges, and multiplicity in Linux

Class Project

- Production of syngas through anaerobic digestion to feed the energy and fuel market
- Design a process to transport crude oil from storage to refineries

RELEVANT COURSES: Material Sciences, Thermodynamics II, Kinetic Reactions, Separation Process, Statics & Dynamics, Computer for Engineers, Senior Design I, Process Design and Analysis, Process Control, Solid Particle

LEADERSHIP

Seed Project Mentor   **May2016-August2016**

- Guided a group of high school student in their summer research program to learn and master Linux
- Planed the transportation of the seed students during the program

Memorial Herman Hospital, Volunteer   **January2014-May2014**

- Volunteer as desk manager organizing file and answering call both from patients and from the families
- **Certificate:** American Institute of Chemical Engineer Safety in Chemical Process Industries, Risk Assessment. Minority Serving Institution Partnership Program

Senior Design

- Organize the project scope, layout and responsible for the proper execution and control of the project

SKILLS

- **Software:** Microsoft Office, MATLAB, Linux, Python, VBA, Aspen
- **Languages:** Fluent in French and English

ACTIVITIES & HONORS

American Institute of Chemical Engineers   **April2015-Present**

National Society of Black Engineers   **April2015-Present**

College of Engineering Honor Rolls   **Fall2015-Present**