

Ugochi A. Ibekwe

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Professional Summary:

Self-motivated, dedicated and hardworking. Exhibits excellent organizational and customer service support. Works well in team environment and displays strong work ethics. To obtain a fulltime position in the chemical or Biomedical science field that will utilize my analytical, technical and interpersonal skills.

EDUCATION:

Prairie View A&M University, **Bachelor of Science in Chemistry with Concentration in Biomedical Science**

Expected graduation: May 2017

RELVANT COURSES:

Organic chemistry Biology, Physical chemistry, Instrumental Analysis, Quantitative Analysis, Calculus 1&2 and physics

WORK EXPERIENCE

Prairie View A&M University- Prairie View, Texas

Undergraduate Research Assistant under Dr. Hua-Jun Fan for AF Research Lab

January 2016 – Present

- ❖ Working on a project that will deliver multiscale modeling protocol from the nanoscale to the mesoscale that can meet Air Force needs for better understanding of structure-processing-performance of soft matter materials
- ❖ Studying biologically specific materials (amino acids, peptides, DNA) and processing approaches (culturing, sequencing, hybridization, amplification, and recognition) to assess the structure-property relationship.

Texas A&M Institute of Bioscience and Technology (IBT) –Houston Texas

Summer 2016

Biomaterial Research (Internship) Under Dr. Cosgriff-Hernandez Lab

- ❖ Spun gel-MA with different concentration of photo initiator
- ❖ Vacuumed, SEM, soaked, compared and observed mesh for fiber retention if crosslinked, freeze or lyophilized
- ❖ Prepared HDI whole mesh analysis with higher collagenase concentration

Houston Community College – Houston, Texas

Information Technology Service, Student Technical Assistance

August 2014-Present

- ❖ Providing base level support on using the computer network and accessing software
- ❖ Ability to work on assigned project and providing completion reports as required

Quad Missional Foundation - Columbus Ohio

Missional Intern

Summer 2015

- ❖ Prepared and executed lesson plans for elementary and middle school aged children, which involved coordination of stories, games, and crafts.
- ❖ Gave both oral and written reports on the progress being made at the site
- ❖ Helped the kids to enhanced their mathematical skills and verbal reasoning

COMPUTER SKILLS, SOFTWARE & CERTIFICATION

Microsoft office, Linux Operating system, and Gaussian View, Python (computational chemistry software), Eagle online 1,2, Deepfreeze, CPR and first Aid (certified), Team player, Motivational writer, adaptability and fluent both in English and Igbo

PROFESSIONAL AFFILIATION /LEADERSHIP

- ❖ Panther Scholars Research Program(**Research assistant**), Phi Theta Kappa Honor Society, Omega sigma (**Member**), National Society Leadership and Success(**Member**), Health Student Association(**Secretary**)
- ❖ Society of Women Engineer (SWE)(**Historian**), Society of Biological Engineer (SBE),

VOLUNTEER /COMMUNITY SERVICE

- ❖ Volunteered in packing of food at Houston Food Bank
- ❖ Volunteered - Helped cleaned the environment at Houston Marathon Race
- ❖ Volunteered - Helped out with maintaining the school environment with Health Wellness Pathway

HONORS, AWARDS, ACHIVEMENTS & RECOGNITION

- ❖ 1st place Winner of the PVAMU 2015/2016 Undergraduate Research Symposium – IRISE UP **2016**
- ❖ William E. Reid Scholarship **2015- 2016**
- ❖ Osborne Scholarship **2014-2015**
- ❖ Awarded Direct Connect Scholarship **2014 -2017**