

Education:

Prairie View A&M University, August 2018, BSc in Chemistry, minor in Biology

Skills and Certifications:

Computer Skills

- Proficient with Excel, Power-Point, and Word, great with organization. Types at 48 wpm.
- Python
- HTML, CSS
- JavaScript
- Bootstrap
- Vue

Analytical Skills. Can use and interpret results from:

- Spectrometer IR and FTIR, nanodrop,
- NMR
- HPLC
- Mass Spec (LC, GC and direct injection)

Biology/biochemistry skills

- Gene splicing
- protein sequencing/ protein expression
- Cloning
- DNA tests
- basic blood tests and urinalysis
- PK studies
- Animal handling certified
- skilled in biopsy
- PCR/QPCR
- Experience giving IVs and injections to animals and humans.

Structural analysis and structural integrity:

- Shear testing
- Flexural test
- thermal testing
- adhesion tests
- compression testing.

• Microbiology:

- Staining, (Gram, Acid fast and Gimenez)
- Kirby-Bauer tests
- Bacteria and parasite culturing,

• Chemistry skills:

- Crystallizations
- separation of compounds
- Titrations
- solvent extractions
- raw material extraction
- polymerizations reactions
- Electrophoresis
- Distillations
- dehydration reactions
- PH testing
- Assays
- drug discovery

• Other:

- certified in emergency management, and medical management of CBRNE events,
- Lab animal handling certifications
- environmental safety and hazardous materials handling/safety trained.

Work Experience

Yorktown: Science teacher

August-Current

Make lesson plans and teach chemistry, health and biology for early college high school students

TAMU, Biochemistry department, Research Staff

March 2018-June 2019

Duties: Malaria drug discovery research project lead. Work on Menkes syndrome research project, QT prolongation moxifloxacin study, cancer research in mouse models, cryptosporidium assays, tissue culture work, spectrum analysis, creating solutions and media, cloning protein expression, design experiments, data processing and analysis, program robots.

Prairie View A&M University: Senior research project/Student researcher

August 2017 -August 2018

Senior research project was over renewable energy and polymers. Duties: use experimental design to create ecofriendly polymers. Structural analysis and testing via NMR, IR spectroscopy and mass spectroscopy. Perform structural integrity tests: Shear, flexural, thermal testing, adhesion tests and compression testing.

Computershare, Stock agent

August 2017-November 2017 Temp position.

Duties: contact shareholders about changes in the fund and shareholder meetings, Answer questions from calling shareholders, process requests.

Carriage services/Hillier funeral, Intern

May 2016/August 2016

Duties: Set up funerals, retrieval, embalming, ensure funeral goes as planned and that the family is satisfied and be there for the families, walk them through the process and help in funeral planning.