

ERIC MENSAH COLEMAN
1530 Harden Street, Columbia, South Carolina 29204
(803)-678-8051
emcoleman40@stu.allenuniversity.edu

S K I L L S

- Excellent analytical, critical thinking and scientific skills
- Strong work ethic, detailed oriented and fast learner
- Proven ability to thrive in a team or individualized work environment
- Trained Nano science investigator, PCR and Gel electrophoresis
- Knowledge on the use of the UV/Vis Spectroscopy, autoclave, Powder X-ray diffraction, and centrifuge machines
- Data Analysis, Progress monitoring and preparation of serial dilutions

E D U C A T I O N

- *Allen University*, 1530 Harden Street, Columbia, SC 29204 **2014 - Present**
Classification: Senior
Major: Biology
GPA: 3.74
Expected Graduation Date: December, 2017

A C A D E M I C A C T I V I T I E S

- Vice President of the Allen University International Student Club (A.U.I.S.C) **2014 - Present**
- Student Member of the Environmental Justice Institute at Allen University
- Member of the National Society of Black Engineers

A C A D E M I C H O N O R S

- President's list **Fall 2014, 2017 & Spring 2015**
- Dean's list **Spring 2014, 2016 & Fall 2015**
- Full Ride AME Scholarship recipient
- Accepted abstract at the 10th National Conference on Health Disparities

W O R K E X P E R I E N C E

Student Research Assistant, Environmental Justice Institute at Allen University **May 2016 - Present**

- Assessed the toxicity of Silver (Ag) Nano particles using brine shrimp assays
- Quantified the change in the chemical components of solution (sea water and silver nanoparticles) in the presence of dead Naupli, using Ultra Violet visible (UV-vis) spectrophotometer and Fourier Transform Infrared (FTIR) spectroscopy
- Calculated the survival and death rate of Naupli and cyst for characterization

Student Research Assistant, Department of Biology at Allen University **Spring 2017**

- Isolated DNA using DNeasy blood and tissue kits to investigate the rate of transposition ALU element among a range of people.
- Quantified Isolated DNA using gel electrophoresis and spectrophotometry

Student Research Assistant, CMAES funded by NNSA **Summer 2015**

- Designed phosphors materials that provide light at a 30% higher efficiency rate than traditional light bulbs
- Performed Computational modelling of the structure of different oxyfluoride compounds
- Calibrated a rotating disk electrode to perform stress tests on the cathode of a Polymer Electrolyte Fuel

Mathematics and Science Tutor **Spring 2015 to Present**
Allen University
Explained and clarified math and science related problems to students

C O M M U N I T Y S E R V I C E

Camp Counselor

- Monitored and supervised participants whiles inspiring them to Achieve their ambitions **Summer 2015**

Volunteer Instructor, IT-ology

- Responsible for delivering hands-on technology workshops to K-12 students