ARAOLUWA (ARA) ADARAMOLA

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**EDUCATION**

PURDUE UNIVERSITY, Davidson School of Chemical Engineering, West Lafayette, IN.

Doctor of Philosophy, Chemical Engineering Jan 2020 – Present

PURDUE UNIVERSITY, Davidson School of Chemical Engineering, West Lafayette, IN.

Bachelor of Science, Chemical Engineering May 2019

* GPA 3.72
* Undergraduate Tutor, ENGR 13100: Transforming Ideas to Innovation I
* Study Abroad: National University of Singapore Jan 2018 – May 2018

**RESEARCH INTERESTS**

* Material Science
* Engineering Education

**RESEARCH EXPERIENCE**

**Research Assistant, National University of Singapore, Singapore. Jun 2018 – Aug 2018**

* Researched information about encapsulating nanoparticles and applied the knowledge to design experimental setup
* Conducted experiments using analytical and separation methods, such as UV-Vis (ultraviolet-visible) spectroscopy, TEM (Transmission electron microscope) and centrifugation, to encapsulate gold nanoclusters in a biological surfactant (saponin) for drug delivery purposes

**Research Assistant, Purdue University, West Lafayette, IN. Aug 2016 – Dec 2016**

• Evaluated 489 industrial combustible dust incidents and analyzed the data using identified metrics (location, fuel type, and impact)

• Produced a final paper that included recommendations and safety guidelines to eliminate the risks of combustible dust incidents in industries

* Contributed to larger process safety studies at the P2SAC (Purdue Process Safety & Assurance Center) to improve industrial safety research and standards

**WORK EXPERIENCE**

**Undergraduate Writing Tutor, Writing Lab, Purdue University, West Lafayette, IN. Aug 2016 – Apr 2019**

* Coached undergraduate and graduate students in writing successful academic, career and miscellaneous papers
* Improved the communication skills of native and ESL (English as a Second Language) writers through empowering and personally-tailored tutoring techniques