

Sylvia Kapya Nanyangwe

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EDUCATION

Master of Science in Business Analytics

Grand Canyon University, Phoenix, Arizona

Expected August 2021

GPA: 4.00/4.00

Bachelor of Science in Biochemistry-Medicinal Chemistry

Arizona State University-Barrett The Honors College, Tempe, Arizona

May 2018

GPA: 3.60/4.00

Thesis: The Synthesis and Characterization of Molecular Catalysts with Applications to Solar Fuels

RESEARCH AND WORK EXPERIENCE

Quality Assurance Analyst & Chemist, Pantheon Chemical

Phoenix, Arizona

August 2018 - Present

- Performed QA/QC on raw materials and finished products to ensure product quality and compliance
- Assisted in the formulation of environmentally safe and high-performance industrial cleaners and consumer products
- Developed and implemented data collection strategies to identify, analyze and interpret trends for business insights
- Analyzed past data to improve production and product quality clearance processes, saving the company over \$500K previously lost on returned and faulty products annually
- Conducted continuous improvements of products and system processes for efficiency
- Collaborated with colleagues and executed other duties as assigned by management

Student Researcher, Gary F. Moore Lab

Tempe, Arizona

January 2016-August 2018

- Synthesized and characterized catalysts useful in the designing of artificial photosynthetic systems for solar fuels
- Trained undergraduate and high school students on GLPs, policies and how to run synthetic reactions
- Took inventory of lab chemicals and tracked usage to ensure all health and safety policies were being followed
- Made recommendations to problems related to experimental data management and statistical analysis
- Completed an honors thesis on my research and defended it before my peers and a thesis committee

PROFESSIONAL SKILLS

- Expert knowledge of Microsoft Excel – including graphs, v-lookups, pivot tables, charts, formulas
- Vast knowledge in data mining & modeling- IBM SPSS, database design, SQL & R programming, and business reporting
- Proficient knowledge of Microsoft PowerBI – including building interactive reports and DAX formulas
- 5years+ of experience in providing innovative business problem solving support and attending to clients' needs to ensure customer satisfaction and encourage repeat business
- Ability to learn rapidly and adapt quickly to changing situations

TECHNICAL AND COMPUTER SKILLS

- Programming language: R, SQL
- Database: MySQL
- Tools: Excel, IBM SPSS Statistics

SCIENTIFIC PUBLICATIONS

- Vibrational Structure Analysis of Cobalt Fluoro-Porphyrin Surface Coatings on Gallium Phosphide
- The Interplay between Quantum Efficiency, Light Flux, and Turnover Frequency in Molecular-Modified Photocathodes

AWARDS

- Bidstrup Foundation Fellowship Award May 2018
- Certificate of completion- Young Professionals for Agricultural Development February 2017
- MasterCard Foundation Scholarship Recipient August 2014
- United States Student Achievers Program-Zambia May 2013