

# Muhire Honorine Kwizera

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## Education

† Indicates expected

- 2017–2022 †     **Ph.D. in Biostatistics**, Columbia University, New York, NY
- ***Relevant Courses:*** *Biostatistical Methods (applied descriptive and inferential statistics), Data science (data manipulation and visualization in R), Probability, and Epidemiology*
- 2013–2017     **B.S in Mathematics**, Spelman College, Atlanta, GA

## Work Experience

- 2015–2017     **Research Assistant** in Computational Chemistry, Spelman College
- *Developed a nonparametric four-wave mixing model for peak pattern prediction*
- 2016     **Research Intern** at the Neuroscience Statistics Research Laboratory, MIT
- *Performed nonparametric spectral analysis on EEG signals to characterize unconsciousness under general anesthesia*
  - *Gave oral and poster presentations at the end of the program*
- 2015     **Intern** at the National Institute of Statistics of Rwanda, Kigali, Rwanda
- *Prepared surveys, coded questionnaires and collected data for GDP and CPI computation*
- 2014     **Research Intern** in Computational Neuroscience, Emory University School of Medicine
- *Implemented nonparametric spectral analysis and supervised machine learning in MATLAB to compare sleep disorders*
  - *Presented a poster at the Emory SURE Symposium and StatFest 2014 conference*

## Other Activities

- 2015–2017     **Tutor** in the Mathematics Laboratory, Spelman College
- *Tutored in precalculus, calculus, linear algebra, differential equations, and abstract algebra*
- 2015–2017     **Treasurer** of the International Student Organization, Spelman College
- *Managed funds, created the organization's budget, and prepared thanksgiving baskets for less fortunate families*