Muhire Honorine Kwizera

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Department of Biostatistics	50 Haven Avenue, B202
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Columbia University	(404) 960-3501

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*

Skills

Programming skills: Proficient in MATLAB, R, SAS, LaTeX, and C++
Language skills: Possess bilingual proficiency in English, French, and Kinyarwanda

Honors, Awards and Memberships

2017–Present	Allan Rosenfield Scholars Fund Award, Columbia University
2016–Present	American Statistical Association
2016–Present	National Alliance of Doctoral Studies in the Mathematical Sciences
2016–Present	Phi Beta Kappa Honor Society, Spelman College
2015–Present	Society for Industrial and Applied Mathematics
2015–Present	Pi Mu Epsilon Mathematics Honor Society, Spelman College
2015–2016	Mathematics Research and Mentoring Program, Spelman College
2013–2017	Rwanda Presidential Scholarship

References

Available upon request.