

William Okech

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PROFESSIONAL SUMMARY

Research scientist with 10+ years of experience working in public health and engineering. Strong technical skills in statistics, programming, image processing and analysis, and data visualization. Professional interests include extracting meaningful insights from raw data and using disparate data sources to generate compelling visualizations.

EDUCATION

Ph.D. Biomedical Engineering , University of Rochester, Rochester, New York	October 2015
M.S. Biomedical Engineering , University of Rochester, Rochester, New York	May 2012
MSc Biomedical Engineering , University of Oxford, Oxford, England	September 2010
B.S.E. Bioengineering , University of Pennsylvania, Philadelphia, Pennsylvania	May 2008

TECHNICAL SKILLS

Statistics for Biomedical Research: R and RStudio (4 years) | PRISM (4 years)
Programming for Biomedical Applications: MATLAB (4 years) | Python (2 years)
Biomedical Image Processing and Analysis: CellProfiler (3 years) | Fiji / ImageJ (10 years)

PROFESSIONAL EXPERIENCE (SCIENTIFIC REVIEW AND EDITING)

Scientific Editor , Charlesworth Author Services	February 2020–Present
Reviewer , Biomedicine and Pharmacotherapy	August 2019–Present

PROFESSIONAL EXPERIENCE (TEACHING)

Graduate Teaching Assistant , University of Rochester	September 2011–May 2012
<ul style="list-style-type: none">Introduction to Biomedical Engineering (BME 100)Biomedical Computation and Statistics (BME 221)	

PROFESSIONAL EXPERIENCE (RESEARCH)

Postdoctoral Research Associate , University of Pittsburgh	November 2017–September 2019
Postdoctoral Research Fellow , Johns Hopkins University	September 2016–September 2017
Postdoctoral Research Associate , University of Rochester	October 2015–June 2016
Graduate Research Assistant , University of Rochester	September 2010–August 2015
Graduate Research Assistant , Botnar Research Centre, University of Oxford	June 2010–August 2010
Undergraduate Research Assistant , Hospital of the University of Pennsylvania	June 2007–September 2008

PROFESSIONAL MEMBERSHIPS AND CERTIFICATIONS

- Biomedical Engineering Society
 - Certified Carpentries Instructor (Data and Software)
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PUBLICATIONS

Please refer to [Google Scholar Profile](#)

HONORS, AWARDS, AND SERVICE

- Judge for the International Genetically Engineered Machines (iGEM) Competition; 2021
 - Judge for the LATAM International Genetically Engineered Machines (iGEM) Design League Competition; 2021
 - Grand Award Judge for the Intel International Science and Engineering Fair, Pittsburgh, Pennsylvania; 2018
 - Computational modeling “Finding Your Inner Modeler” Travel Award (National Science Foundation; 2017 & 2018)
 - Bioengineering Senior Design Award (University of Pennsylvania; 2008)
 - Dean’s List (University of Pennsylvania; 2007–2008)
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REFERENCES

Available upon request
