

William Okech

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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)
Microscopy: Widefield (10 years) | Spinning-disk (5 years) | Confocal (5 years)
Biomedical Image Processing and Analysis: CellProfiler (3 years) | Fiji / ImageJ (10 years)
Data Visualization for Communication: Tableau (1 year) | Power BI (1 year)

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)

PUBLICATIONS

Please refer to [Google Scholar Profile](#)

HONORS, AWARDS, AND SERVICE

- Judge for the International Genetically Engineered Machines (iGEM) Competition; 2021–2022
- 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)

REFERENCES

Available upon request
