

# William Okech

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## PROFESSIONAL EXPERIENCE (SCIENTIFIC REVIEW AND EDITING)

**Scientific Editor**, Charlesworth Author Services  
**Reviewer**, Biomedicine and Pharmacotherapy

February 2020–Present  
August 2019–Present

## PROFESSIONAL EXPERIENCE (TEACHING)

**Graduate Teaching Assistant**, University of Rochester

- Introduction to Biomedical Engineering (BME 100)
- Biomedical Computation and Statistics (BME 221)

September 2011–May 2012

## PROFESSIONAL EXPERIENCE (RESEARCH)

**Postdoctoral Research Associate**, University of Pittsburgh  
**Postdoctoral Research Fellow**, Johns Hopkins University  
**Postdoctoral Research Associate**, University of Rochester  
**Graduate Research Assistant**, University of Rochester  
**Graduate Research Assistant**, Botnar Research Centre, University of Oxford  
**Undergraduate Research Assistant**, Hospital of the University of Pennsylvania

November 2017–September 2019  
September 2016–September 2017  
October 2015–June 2016  
September 2010–August 2015  
June 2010–August 2010  
June 2007–September 2008

## EDUCATION

**Ph.D. Biomedical Engineering**, University of Rochester, Rochester, New York  
**M.S. Biomedical Engineering**, University of Rochester, Rochester, New York  
**MSc Biomedical Engineering**, University of Oxford, Oxford, England  
**B.S.E. Bioengineering**, University of Pennsylvania, Philadelphia, Pennsylvania

October 2015  
May 2012  
September 2010  
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 MEMBERSHIPS AND CERTIFICATIONS

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

## PUBLICATIONS ([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)

## REFERENCES

Available upon request

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