**William Okech**

**Phone:** +254-716-309048 **|** **Email:** [willyokech@gmail.com](mailto:willyokech@gmail.com) **| Website:** <https://www.williamokech.com/>

**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

* 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**](https://scholar.google.com/citations?user=BvIDsDMAAAAJ&hl=en&oi=ao)

**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