

# Jessica Ezeji

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## Education

### The Ohio State University

Major: Data Analytics, Pre-Med track, Honors College

Expected Graduation Date: May 2021

## Outreach and Leadership Experiences

### Case Western Reserve University Medical School

Summer Research Assistant

Research Focus: Crohn's Disease – 3 projects completed, currently.

Mentors: Dr. Alexander Rodriguez-Palacios and Dr. Fabio Cominelli

Cleveland, OH

2015 – Present

#### *Cyclical Bias' in Microbiome Research Revealed by A Portable Germ-Free Housing System Using Nested Isolation*

2018

- Paper Publication
- Cultivated scientific writing and editorial skills

#### *Bedding microbiome periodicity Bacillales and Pseudomonadales bias*

2017

- Cultured and analyzed bacteria present in gut flora and bedding.
- PCR and Sanger sequencing of bacterial DNA.

#### *Mechanistic Insights from Modeling Intestinal Pathology in Experimental Crohn's Disease*

2015 - 2016

- Germ free husbandry and analysis of tissues using stereomicroscopy.
- Quantified data results using ImageJ and Latex software.
- Designed a mathematical model to show pathological mechanisms of lesion progression in mice models.
- Abstract and Poster preparation, submission, and presentation at conferences.

### James Cancer Hospital and Solove Research Institute

Student Volunteer

Columbus, OH

2017 – Present

- Ability to work in a fast-moving, team-oriented environment
- Work with hospital staff to ensure patient's comfort.

### African Youth League Student Association

Director of Communications and Service

Columbus, OH

2016 – Present

- Discuss African cultural influence throughout the campus and mentor underrepresented students
- Plan and program fun, exciting events for students on campus to learn more about the African diaspora.

## Work Experience

### Smith-Steeb Hall

Resident Advisor

Columbus, OH

August 2017 – Present

- Create a welcoming, inclusive and safe environment for residents.
- Mediate problems between roommates.
- Creative and fun programs for residents to attend.

### Smith-Steeb Hall

Office Assistant

Columbus, OH

2016 – 2017

- Efficient customer service for residents
- Strong speaking and communication skills

## Skills:

- **Foreign Languages:** Igbo & French
- **Software Experience:** Microsoft Office applications, Java, Latex, R, ImageJ

## Honors

- *Research ShowCase* presentation runner-up, placed 2<sup>nd</sup> in research event.
- Louis Stokes Alliance for Minority Participation (LSAMP) summer bridge program STEM award