

# IBUKUN ADETOLA

UNDERGRADUATE STUDENT  
CUMULATIVE GPA 3.96/4.00

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Buffalo, NY

## EDUCATION

### UNIVERSITY AT BUFFALO, THE STATE UNIVERSITY OF NEW YORK

#### BSc Biomedical Engineering | Expected June 2024

- Dean's List 2020 - 2023 | Cumulative GPA 3.96/4.00.
- Ambassador, UB School of Engineering and Applied Sciences (SEAS)
- Community Assistant, UB Campus Living
- Scholar, UB Honors College.
- Member, Tau Beta Pi Engineering Honor Society (New York Nu chapter)
- Member, UB Women in Science and Engineering (WiSE).

### VIVIAN FOWLER MEMORIAL COLLEGE FOR GIRLS, LAGOS, NIGERIA.

#### Valedictorian | September 2014 - August 2020

- Valedictorian, VFMC Graduating Set of 2020.
- Head Girl, VFMC 2019/2020 Academic Session.
- Assistant Class Captain, VFMC 2018/2019 Academic Session.
- Member, VFMC Varsity Debate Team (2016 - 2020).
- Scholar, Yale Young Global Scholars (2019).

## WORK EXPERIENCE

### ORIENTATION LEADER

#### University at Buffalo, Orientation Transition and Parent Programs, Buffalo, NY | June 2021 - August 2021

- Organised and hosted 30+ orientation sessions ranging from 2 to 95 students in attendance.
- Served as a role model and helpful resource to 1000+ new students.
- Coordinated numerous community-building activities for students.
- Gained valuable customer service experience.

### MATHEMATICS TUTOR

#### University at Buffalo, The Math Place, Buffalo, NY | September 2021 - Present

- Tutored university students in mathematics courses ranging from pre-calculus to calculus 2.
- Provided students with helpful academic advice and available resources.

## LEADERSHIP EXPERIENCE & ACTIVITIES

### COMMUNITY ASSISTANT

#### University at Buffalo, Campus Living | August 2022 - Present

- Fostered educational, personal and social growth by designing and facilitating needs-based programs for 60+ students.
- Served as an inclusive community developer and resource for 40+ students.
- Utilized mediation, conflict resolution, and emergency response training.
- Supported the selection and evaluation of incoming paraprofessionals.

## SKILLS & CERTIFICATIONS

### SKILLS

- Microsoft Word • Microsoft PowerPoint • Microsoft Excel
- MATLAB • Narcan Administration • FeBio

### CERTIFICATIONS

#### Microsoft Office Specialist (MOS) | 2016

- Obtained Microsoft Office Specialist (MOS): Microsoft PowerPoint 2010 certification in 2016.

#### University at Buffalo Community Engagement Digital Badge | 2021

- Delivered a comprehensive presentation on Buffalo's Urban Development and Revitalisation.
- Developed skills in project planning, collaboration, critical thinking, and global/intercultural fluency.

## ENGINEERING PROJECTS & RESEARCH

### WIND TURBINE DESIGN

#### UB Engineering Principles EAS 199| Fall 2020

- Managed and executed 23 wind turbine simulations to optimise performance.
- Developed the lab section's best performing turbine with a 194% increase in power output.
- Fostered effective collaboration and productive team communication working in a 3-person group.
- Acquired strong data gathering, analysing and presenting skills.
- Received the EAS 199 Design Award and EAS 199 Patent Award.

### COMPUTATIONAL BIOLOGY RESEARCH

#### UB Department of Chemical and Biological Engineering| May 2022 - July 2022

- Studied the relevance of ordinary differential equations (ODEs) in disease and immune system interrelations.
- Utilized ODEs to develop comprehensive disease progression models.
- Acquired MATLAB programming and ODE solving skills.
- Replicated pharmacology models from published biomedical research papers on influenza.

## VOLUNTEER EXPERIENCE

### SCHOOL RECYCLING CAMPAIGN

#### VFMC (Vertigo Inc.) | 2019

- Taught about 50 primary school children the importance of proper waste management and recycling.
- Encouraged the children to start "green clubs" in schools.

## HONORS & AWARDS

- University at Buffalo Fall Dean's List (2020 - 2022).
- University at Buffalo Spring Dean's List (2021 - 2023).
- EAS 199 Wind Turbine Design Award (2020).
- EAS 199 Wind Turbine Patent Award (2020).
- UB School of Engineering and Applied Sciences (SEAS) Women's Empowerment Scholarship Recipient.