

Name: VICTORY ONYEKACHI OBI

Address: No 2 Aku Street, Umuezeawula Ihiagwa, Owerri West LGA, Imo State, Nigeria

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Phone: +2349064335527

Date of birth: 22nd May, 1996

Nationality: Nigerian

State of origin: Imo

Local Government of origin: Oru west

Permanent home address: Umuezewusi, Ihite Eleh, Imo state

Place of birth: Owerri, Imo State

Marital status: Single

INSTITUTION ATTENDED AND ACADEMIC QUALIFICATIONS

M.Sc. Applied Mathematics

Federal University of Technology Owerri, Nigeria

2023

- Thesis Title: "Transmission Dynamics of Cholera Disease Using a Fractional-Order Model"
- Advisor: Dr. M.C. Obi

B.Tech. Mathematics

Federal University of Technology Owerri, Nigeria

2019

- Final Year Project: "Solution of a certain Second Order Non-homogenous Non-linear ordinary Differential Equation using Regular Perturbation Method"
- Supervisor: Prof. A.M Ette

RESEARCH EXPERIENCE

Graduate Researcher

Federal University of Technology Owerri, Nigeria

2021–2023

- Conducted in-depth research on fractional-order differential equations to model infectious disease dynamics.
- Developed mathematical models incorporating Atangana–Baleanu fractional derivatives to investigate the stability and convergence of solutions.
- Utilized MATLAB for numerical simulations, presenting novel insights into the effects of fractional orders on disease stability.

Research Assistant

Federal University of Technology Owerri, Nigeria

2019–2020

- Collaborated with Professor E. M. Ette on numerical solutions for nonlinear dynamics in fluid mechanics.
- Analyzed mathematical models and implemented computational techniques to solve applied problems.

- Strengthened interdisciplinary skills through collaboration with other research team members.

TEACHING EXPERIENCE

Mathematics Teacher (Part-Time)

Herald International School, Uyo, Nigeria

2023–Present

- Prepared students for the West African Senior School Certificate Examination (WASSCE) and the National Examination Council (NECO).
- Designed and implemented lesson plans that fostered critical thinking and mathematical problem-solving skills.

Mathematics Teacher (Part-Time)

Elbethy Busy Brain Secondary School, Imo State

2018–2019

- Taught mathematics to senior secondary students, focusing on exam preparation and foundational concepts.

EMPLOYMENT & PROFESSIONAL EXPERIENCE

Data Analyst

Living Faith Church Oguta District, Nigeria

2021–2023

- Analyzed and interpreted data to solve organizational challenges and inform decision-making processes.

ICT Intern

Federal Ministry of Information and Culture, Nigeria

2020–2021

- Supported the integration of technology in teaching, promoting student-centered learning.

SKILLS

- Technical Skills: MATLAB, LaTeX, Python, Microsoft Office (Word, Excel, PowerPoint), Graphic Design, Frontend Development.
- Research Skills: Mathematical modeling, numerical simulations, and problem-solving.
- Languages: Fluent in written and spoken English.
- Interpersonal Skills: Strong collaboration abilities; adept at fostering inclusive and productive teamwork environments.
- Creative Skills: Pianist and vocalist.

REFEREES

1. Dr. Andrew Oname

Senior Lecturer, Department of Mathematics
Federal University of Technology Owerri, Nigeria
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2. Dr. Nnamdi Araka

Senior Lecturer, Department of Mathematics
Federal University of Technology Owerri, Nigeria
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3. Dr. Iheonu Nneka

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