

# PETER CHUKWUNWENDU OKEKE

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20, Ifediora Dike Street, Iyigu Phase II, Awka, Anambra

## SUMMARY

Experienced health research scientist with a strong background in data analysis, research, and MEL framework development. My proficiency in data management and reporting, coupled with critical thinking, allows me to track project performance and identify improvement opportunities. I'm adept at collaborating with stakeholders, committed to ethical standards, and continually adaptable to promote learning and enhance program outcomes.

## PROFESSIONAL EXPERIENCE

### Medical Entomologist and Data Analyst

#### Opec Entomology Consult

01/2018 - Present Anambra, Nigeria.

Opec Entomology Consult is a research and data analytics organization specializing in innovative solutions in entomology and other biosciences.

- Entomological Surveillance: Successfully conducted comprehensive entomological surveillance on arthropod-borne disease vectors, contributing to the understanding and control of vector-borne diseases.
- Susceptibility Testing: Conducted susceptibility tests on mosquito samples using the CDC bottle assay, providing crucial data on insecticide resistance patterns.
- Technical Support: Offered technical support to researchers and organizations working on entomology studies for disease control programs.
- Data Analysis: Offered technical support to researchers and organizations working on entomology studies for disease control programs.
- Reporting: Wrote detailed and informative reports on projects implemented, highlighting your strong communication and documentation skills, which are vital for tracking and reporting program outcomes.

### Entomology Research Consultant

#### Malaria Consortium

01/2022 - 11/2023 Abuja, Nigeria

Malaria Consortium, Nigeria, partners with the Ministry of Health and others to support malaria control, train healthcare workers, strengthen health systems, conduct research, and advocate for policy changes.

- Technical Assistance (TA) Support: Provided valuable technical support as an Entomology Technician for baseline entomological studies in the Anambra and Ondo States LLIN Campaign M&E.
- Data Collection Supervision: Successfully supervised the hourly collection of mosquitoes using CDC light traps, ensuring accurate and consistent data collection.
- Mosquito Rearing for Resistance Studies: Managed the rearing of mosquitoes for resistance studies.
- Insecticide Susceptibility Testing: Conducted insecticide susceptibility tests using the CDC bottle assay method, contributing to the understanding of insecticide resistance patterns.
- Species Identification: Morphologically identified collected mosquitoes to the species or species complex level, ensuring accuracy in data analysis and research findings, which is essential for informed decision-making.
- Specimen Handling and Documentation: Skillfully packaged and labeled collected mosquitoes and stored them in silica gel for further laboratory analysis.

### Data Science Intern

#### ExploreAI

03/2023 - 06/2023 Cape Town South Africa

ExploreAI is an international data and AI company containing the ExploreAI Academy.

- Built a Simulation for a Sewage Pumping Station (SPS)
- Developed a Data Generating Process for the SPS Created a web app for a digital Sewage pumping station using Streamlit
- Delivered engaging presentations to communicate complex findings to diverse audiences, including both technical and non-technical individuals

### Program Officer

#### Save the World Support Foundation (SAWOR)

10/2016 - 12/2017 Anambra, Nigeria

SAWOR is a community-based organization that promote and foster sustainable health care service delivery in the areas of malaria, tuberculosis, and HIV/AIDS.

- Advocacy and Awareness Coordination: Successfully coordinated advocacy, community, and social mobilization (ACSM) activities focused on raising awareness about tuberculosis (TB).
- Logistics Coordination: Efficiently managed logistics for meetings, conferences, training sessions, and other project-related events.
- Reporting: Prepared monthly and quarterly reports on program implementation.
- Performance Monitoring: Coordinated program activities to ensure that key performance indicators (KPIs) were met and that the program aligned with its strategic objectives.
- Training: Trained over 20 community-based volunteers.

## SKILLS

Microsoft Office Suites	SQL	PowerBI	R	Python	Machine Learning	Data Modeling	QGIS
Analytical Skills	Team Work	Communication Skills	Leadership Skills	HMIS			

## EDUCATION

Higher Certificate in Information Systems: Data Science

[ExploreAI Academy](#)

02/2022 - 06/2023 Cape Town, South Africa

M Phil in Entomology

[University of Ghana](#)

08/2013 - 07/2015 Legon, Ghana

B.Sc. in Parasitology and Entomology

[Nnamdi Azikiwe University](#)

10/2007 - 07/2011 Awka, Anambra State, Nigeria

## TRAINING/COURSES

[Use of QGIS in GIS](#)

Central University of Karnataka

[Biostatistics](#)

Doane University, Nebraska

[HMIS Introductory Course](#)

Tembo

## AWARDS

 **DAAD Scholarship Award**

 **NIU Scholarship Award**

## LANGUAGES

**Igbo**

Native



**English**

Proficient



**Hausa**

Beginner



## CERTIFICATIONS

[Introduction to Python Course; Dataquest, 2022](#)

[For Loops and Conditional Statements in Python Course; Dataquest, 2022](#)

[Dictionaries, Frequency Table, and Functions in Python Course; Dataquest, 2022](#)

[SQL Fundamentals Course; Dataquest, 2022](#)

## REFERENCES

**Prof. Edith N. Nwankwo, Director, Pre-Science Programme, Nnamdi Azikiwe University**

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**Dr. Udoka C. Nwangwu, Head, Entomology Unit, National Arbovirus and Vectors Research Centre (NAVRC)**

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**Mr. John Ibekwe, Director, Save the World Support Foundation (SAWOR)**

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