

# BELLO, SODEEQ OPEYEMI

Ibadan, Oyo State, Nigeria

**Email:** bellosodeeq87@gmail.com || **Mobile:** + 234 – 703 – 878 – 0920

**LinkedIn:** <https://www.linkedin.com/in/sodeeqbello>

**GitHub:** <https://github.com/sodeeqbello>

## PROFESSIONAL SUMMARY

Aspiring software developer and data analyst with a solid background in Physics and Electronics, aiming to apply this knowledge in the healthcare sector, specifically in medical physics, such as medical imaging, diagnostics, and AI in medicine. Currently participating in the Power Learn Project's Software Development Scholarship, where I am gaining practical experience in Python, HTML, CSS, JavaScript, and Database Management. I am enthusiastic about leveraging digital tools to address real-world challenges and foster innovation in underprivileged communities. I look forward to applying my technical and analytical skills in a dynamic internship setting.

## EDUCATION

**Bachelor of Science – [Physics and Electronics](#)**

**Awarded June 2019**

Adekunle Ajasin University Akungba-Akoko, Ondo

CGPA: 3.31/4.0 (83%)

Undergraduate Thesis: *Obtaining the Hamiltonian for Ferromagnetism*

**Supervisor: Dr. J. I Agbi**

## RESEARCH INTEREST

- Medical and Radiation Physics
- Medical Imaging Physics (MRI, Spectral CT, Photon Counting)
- Radiation Protection and Dosimetry
- Nuclear Physics and Particle Interactions
- Artificial Intelligence in Medicine
- Machine Learning in Diagnostic Imaging

## CONTINUING EDUCATION/SELF DEVELOPMENT

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| - <b>Software Development Program.</b><br>Power Learning Project, Africa   | Till Date |
| - <b><a href="#">Introduction to Artificial Intelligence</a></b><br>IBM and its associate partner, Coursera  | June 2025 |
| - <b><a href="#">McKinsey Forward Program.</a></b><br>McKinsey & Company Forward Learning Program  | Nov 2023  |
| - <b><a href="#">Musculoskeletal and Integumentary System</a></b><br>University of Michigan and its associate partner, Coursera<br>Instructor: Dr. Kathleen Alsup. | June 2023 |
| - <b><a href="#">Introduction to Statistics</a></b><br>Stanford University and its associate partner, Coursera<br>Instructor: Prof. Guenther Walther.              | Apr 2023  |
| - <b><a href="#">Precision Medicine</a></b><br>University of Geneva and its associate partner, Coursera<br>Instructor: Prof. Antoine Geissbuhler et al.            | Jan. 2023 |
| - <b><a href="#">Intro to Programming</a></b><br>Kaggle Learning<br>Director: Alexis Cook  | Dec. 2022 |
| - <b><a href="#">MRI Fundamentals</a></b><br>Korean Advanced Institute of Science and Technology and its associate partner, Coursera                               | Dec. 2022 |

Director: Prof. Sung-Hong Park.

- **Medical Applications of Particle Accelerators.**

Lund University and its associate partner, Coursera

Mar. 2022

Instructor: Prof. Lars Hjorth Præstegaard

- **Life, Health, and Radiation.**

University of Sydney and its associate partner, Coursera

Feb. 2022

## RESEARCH EXPERIENCE

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### Undergraduate Research Assistant

June 2018 – Dec 2018

Department of Physics and Electronics, Adekunle Ajasin University Akungba Akoko.

Supervisor: *Dr. J. I. Agbi*

- Collaborated with faculty colleagues in developing algorithms for research topics.
- Coordinated assigned activities under guidance of Research Project Supervisor.
- Gained extensive understanding of wide range of research techniques and leveraged specific options grounded on requirements of projects and testing objectives.
- Accomplished grant writing and publication objectives by authoring, organizing, and editing assigned portions of proposals and project reports.

## PROFESSIONAL EXPERIENCE

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### Vice Principal

Jan 2022- Present

Clear Path College, Ibadan, Oyo State, Nigeria

- Implemented a strategic tutoring program that increased student pass rates by 25% and reversed underperformance trends
- Contributed to curriculum development and managed internal and external examination processes
- Raised parental involvement by 40% through effective communication strategies
- Administered school policies and procedures, overseeing student well-being and discipline to maintain a positive and secure learning environment.
- Oversaw the daily operational management of the senior secondary section, including scheduling, resource allocation, and facility utilization, ensuring a smooth and efficient learning environment

### Graduate Trainee

Jan 2019 - July 2019

Charis Blueweb Technology, Ibadan, Oyo State, Nigeria

- Developed responsive web pages using HTML, CSS, and JavaScript
- Contributed to collaborative efforts with designers, project managers, and QA engineers, fostering a cohesive team environment
- Designed and built reusable UI elements, enhancing code efficiency and reducing duplication

## TEACHING EXPERIENCE

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### Mathematics Teacher

Nov 2020-Present

Clear Path College, Ibadan, Oyo State, Nigeria

- Developed and implemented engaging lesson plans, aligning with curriculum standards and incorporating technology to enhance student understanding.
- Analyzed student data and implemented targeted interventions, achieving a 25% increase in test scores and a 30% reduction in failure rates.
- Developed a classroom culture that valued diversity, encouraged participation, and supported all students in developing a deep understanding and appreciation of mathematics
- Instructed a range of high school mathematics courses, including Algebra, Geometry, and Calculus, to students with diverse abilities, ensuring comprehensive understanding and skill development.

Community Secondary School, Neke, Enugu State, Nigeria

- Delivered lecture sessions and oversaw laboratory activities, mentoring students in academic and practical skills.
- Taught high school physics classes, including introductory and advanced courses, to students of diverse skill levels and learning styles
- Designed and implemented engaging activities, leading to a 30% increase in student participation, engagement, and overall classroom enthusiasm
- Developed and implemented engaging lesson plans, aligning with curriculum standards and incorporating technology to enhance student understanding

## **PUBLICATIONS & SCHOLARSHIP**

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### **Dissertation**

- **S. O. Bello**, (2019). **Obtaining the Hamiltonian for Ferromagnetism**. BSc project work submitted to the department of Physics and Electronics, Adekunle Ajasin University Akungba-Akoko, Ondo.

### **Peer Review Journal Publication**

- Alvan C. O, Sunday U. O, **Sodeeq O. Bello**, R. N. Amaeze, O. T. Joseph & Ebere K. O. [Schiff Bases and Their Ability to Remove Heavy Metal. IOSR Journal of Applied Chemistry vol 15, Issue 7 Ser. I \(July 2022\). e-ISSN 22785736, DOI: 10.9790/5736-1507010714](#)

## **PROFESSIONAL DEVELOPMENT TRAINING**

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### **Seminars/Webinars**

- International Atomic Energy Agency – Medical Physics Staffing Needs in Diagnostic Imaging and Radionuclide Therapy: An Activity-Based Approach–, April 29, 2024
- Medical Physics for the World Benefit – [Radionuclide Dosimetry and the Rise of Theranostics](#) –, April 23, 2024
- Pulmonary Sciences and Critical Care Medicine, University of Colorado Anschutz Medical Campus – Unleashing Fibrotic Secrets: Coupling the Power of Laser Microdissection with Mass Spec –, March 21, 2024
- Cell Culture Unit, MilliporeSigma Boston, USA, – [Culture Media Preparation; Contamination Control and Retention of Critical Components](#) –, Feb 27, 2024.
- Department of Radiation Oncology, University Hospital Zurich, Switzerland – Quality Assurance of MRI-Guided Radiotherapy Systems. Nov. 14<sup>th</sup>, 2023
- CANON Medical Systems Europe B.V. – [Future of Radiology Made Possible](#). Nov. 9<sup>th</sup>, 2023
- Beta Cell Biology Unit, DRI, San Raffaele Scientific Institute, Milan – Using Multiplex Bioassays to Profile Biomarkers of Precursor to Pancreatic Cancer. Nov. 9<sup>th</sup>, 2023

## **VOLUNTEER EXPERIENCE/COMMUNITY SERVICE**

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### **Educator – National Youth Services Corps, Neke Enugu State**

Aug 2019- Aug 2020

Advocated for comprehensive support systems for vulnerable children, including quality education, career guidance, and counseling, to empower them to achieve their full potential.

### **Volunteer – Nigerian Red Cross Society – Enugu Branch**

Aug 2019 – Sept 2019

Compassionate volunteer with a year of experience serving with the Red Cross Society, making a positive impact in the lives of others.

## **APPLICABLE SKILLS**

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### **Computational skills & Design Skills**

- Microsoft Office packages, Adobe packages, Python, R Programming, MATLAB, GEANT4, and other information technology compliance
- Adobe PageMaker, Corel Draw, Photo Shop, Graphics.

### **Research and Publication**

- Excellent Scientific Research ability with knowledge of APA and MPA referencing styles
- Excellent written and verbal communication skills
- Excellent abilities with MS and Google Docs