

YINKA MOSES AJIBOLA

Physicist

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A highly motivated and analytical physics graduate seeking a challenging role in the field of physics, where I can utilize my technical skills, research experience and analytical abilities to contribute towards the organization's growth while continuously improving my knowledge and skills.

Skills

- Excellent written communication skills, oral communication skills, and problem-solving skills
- Proficient in data analysis using programming languages like SQL, Python and MATLAB
- VHDL programming for FPGA-based hardware designs
- Proficiency with Windows OS, Mac OS, Active Directory administration, DHCP, DNS and PC troubleshooting
- Window server administration and linux server administration
- Ability to design and conduct experiments, Oral cancer cell imaging and analysis
- Well versed in Microsoft Office products including Office, Excel, and PowerPoint suite
- Ability to facilitate meetings and handle multiple projects simultaneously using Agile methodology
- Familiarity with advanced concepts in classical mechanics, quantum mechanics, electromagnetism, thermodynamics, cancer-biophysics, laser optics and electronic instrumentation

Work History

Innovation Academy Charter School

September 2023 – Present

High School Physics & Robotics Teacher

- Developing and implementing engaging physics and robotics curricula aligned with state standards and designed to promote STEM learning through hands-on exploration.
- Employing differentiated instruction strategies to accommodate diverse learning styles and abilities, ensuring equitable access to high-quality education.
- Creating supplementary class materials to enhance textbook content and deepen student understanding.
- Facilitating hands-on laboratory sessions with a focus on experimentation, safety, and scientific inquiry.
- Designing and delivering robotics lessons using VEX IQ kits and VEXcode programming to teach coding, engineering, and problem-solving skills.
- Guiding students in building and programming robots for autonomous and driver-controlled VEX IQ competitions, emphasizing teamwork, creativity, and innovation.
- Coaching robotics teams to strategize, troubleshoot, and document their engineering process for competitions.
- Maintaining student attendance records, grades, and other required documentation to ensure accurate tracking of academic progress.
- Leading advisory sessions for grade 11 students, offering academic, social, and personal development support in a collaborative environment.
- Collaborating with parents and guardians through regular communication, ILP conferences, and progress updates to set personalized goals and ensure student success.
- Organizing and supporting extracurricular activities, including the SOCA club and field trips, to foster a well-rounded student experience.
- Assessing student performance through evaluations of classwork, laboratory reports, assignments, and quizzes to monitor progress and mastery of concepts.

University of Massachusetts Boston

September 2021 – August 2023

Graduate Teaching Assistant

- Provided tutoring to student for the introductory physics course {Physics Principles with Applications}
- Facilitated two laboratory sections weekly, guiding students through experimental procedures and assessing their understanding through laboratory reports.
- Held regular office hours to provide additional academic support and address student inquiries outside of class time.
- Administered and monitored midterm tests and final examinations, ensuring adherence to academic standards and procedures.

- Conducted research, gathered information from multiple sources, and presented the results.

Ladoke Akintola University of Technology

June 2019 – August 2021

Teaching Assistant

- Assisted course instructor with grading of laboratory report, quizzes, and homework.
- Facilitated classroom discussion, laboratory activities and review sections.
- Created course materials, developed assignments, and managed the course website.
- Maintained student records, ordered laboratory supplies, and scheduled appointments.

Federal School of Surveying Oyo

May 2017 – June 2018

Student Intern

- Data transfer applications for sharing of sequencing data.
- Assisted in the research and publication of scientific journals.
- Triage and prioritize issues and bugs reported by other researchers and users.
- Assist users as a local contact for experimental setup and data acquisition, participate in user education as appropriate, and assist users with data reduction, analysis, and modeling.
- Analyze large datasets using various software tools, math models and other data science techniques.
- Organized and stored all chemical substances, fluids, and compressed gases according to safety instructions.
- Ensure compliance with environment, safety, health, and quality program requirements.

Education/Certification

- ❖ **SEI Endorsement** ----- **March 2024**
- ❖ **Certified Scrum Master (CSM)**----- **March 2023**
- ❖ **Master of Science: Applied Physics**----- **2021 - 2023**
University of Massachusetts Boston- Dorchester, Massachusetts 02125.
- ❖ **Bachelor of Technology: Applied Physics** ----- **2014 - 2019**
Ladoke Akintola University of Technology- Ogbomoso, Oyo State, Nigeria.