

MAURINE MBURU

MEDICAL PHYSICS PROFESSIONAL

Madison, WI, USA.

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OBJECTIVE

Dedicated Medical Physics Expert with strong experience in radiation safety, diagnostic imaging optimization, and clinical quality assurance. Skilled in scientific communication, advanced academic writing, and English language instruction. Seeking a role that allows me to support clinical teams, strengthen safety protocols, and translate complex scientific concepts into clear, actionable communication.

EDUCATION

University of Wisconsin-

Madison, Madison, WI

- Master of Science in Medical Physics

University of Wisconsin-

Madison, WI

- Bachelor of Science in Medicine

KEY SKILLS

- Diagnostic imaging QA for MRI, CT, and X-ray systems
- Radiation safety compliance and protocol improvement
- ParaView for scientific visualization, data analysis, and interpretation
- Imaging data review and technical troubleshooting
- Clinical report writing and workflow documentation
- Research analysis, test design support, and results presentation
- Scientific manuscript editing and technical communication
- Cross-functional collaboration with radiologists, technologists, and researchers

EXPERIENCE

2020 - Current

Medical Physics Specialist – Diagnostic Imaging

St. Mary's Hospital, Madison, WI

- Performed routine quality assurance on MRI, CT, and X-ray systems.
- Assisted in developing improved radiation safety protocols.
- Collaborated with radiologists and technologists to troubleshoot imaging irregularities.
- Authored clear clinical reports and improved workflow documentation.

2017 -2020

Graduate Medical Physics Researcher

UW–Madison Department of Medical Physics

- Conducted research on dose reduction techniques in CT imaging.
- Worked with faculty physicists on experimental test designs.
- Presented findings at the Midwest Medical Physics Conference.
- Co-authored technical papers and assisted with scientific manuscript editing.

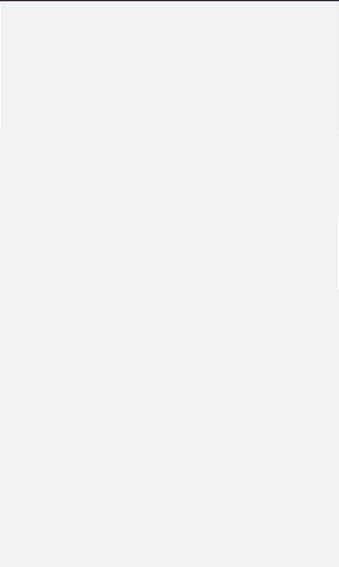
2014 - 2017

English Language Instructor & Writing Consultant

- UW–Madison Writing Center
- Provided one-on-one tutoring for students, researchers, and ES Learners.
- Designed personalized language-improvement plans.
- Trained students in academic writing, grammar, and oral communication.
- Edited research papers for clarity and structure.

COMMUNICATION

Experience simplifying complex physics data for clinicians, students, and non-technical staff. Frequently praised for clarity, patience, and professional presentation during seminars and training sessions. Skilled in academic writing, report editing, and public speaking.



LEADERSHIP

Led imaging QA projects and mentored junior physics interns. Provided leadership in developing standardized documentation for imaging procedures. Served as senior writing consultant for advanced English learners, helping organize training workshops and peer-support groups.

REFERENCES

[Available upon request.]
