

# OBASI YETUNDE OLUWATOYOSI

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## Summary

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- I am a dedicated master's student in the Department of Artificial Intelligence at DGIST, South Korea. My research focus lies in the realms of Virtual Reality and Mixed Reality, where I explore innovative solutions at the intersection of human-computer interaction.
- Proficient in both designing and implementing systems, I have experience in Deep Learning and Machine Learning, using these technologies to contribute to AI research.

## Education

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**M.Sc. in Artificial Intelligence** Feb 2023 - Aug 2025

*Daegu Gyeongbuk Institute of Science and Technology (DGIST), South Korea*

- **Thesis:** Revolutionizing VR Controller Precision For Micromanipulation Using Time2vec+Transformer model

**B.Sc. in Physics** Sept 20216 - Oct 2021

*University of Ilorin, Kwara (Unilorin), Nigeria*

- **Thesis:** Construction of water level controller Using Arduino(Microcontroller)
- Advisor: Professor Akomolafe
- Co-Advisor: Professor Alabi

## Research Experience

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**Post Master Researcher** Sept. 2025 - Present

*Daegu Gyeongbuk Institute of Science and Technology (DGIST), South Korea*

**Graduate Research and Teaching Assistant** Feb. 2023 - Aug. 2025

*Daegu Gyeongbuk Institute of Science and Technology (DGIST), South Korea*

- Data collection from various experiments, employing statistical tools and software for in-depth analysis, and interpreting results to draw meaningful conclusions.
- Preparing research papers for publication, including drafting, revising, and finalizing manuscripts, as well as reviewing papers submitted by peers to ensure academic rigor and quality.
- Actively engaging in experimental procedures, following established protocols and documenting observations.
- Graded assignments and exams, offering detailed feedback to support student learning.
- Provided academic support during office hours, addressing individual questions and concerns.
- Monitored student progress and contributed to identifying areas where additional support was needed.

## Work Experience

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**Physics Instructor** May 2022 - Oct 2022

*Ben-G Model College, Agege, Lagos, Nigeria*

- Planned and delivered engaging physics lessons aligned with the national curriculum.
- Developed assessments and graded student work to track progress and understanding.

**Physics Instructor** Nov 2021 - May 2022

*National School, Yahe, Cross-River, Nigeria*

- Assessed student performance through tests, assignments, and interactive class activities.
- Taught core physics topics to senior secondary students, aligning with national education standards.

**Supervisor - Mighty Adenuga** Aug 2021 - Nov 2021

- Managed subordinates to accomplish tasks.
- Ensured proper documentation..

## **Technical Skills**

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- SolidWorks, Unity, LabView, Blender
- Microsoft word, Powerpoint, Latex(Overleaf)
- Deep Learning

## **Research Interest**

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- Virtual Reality
- Human Robot Interaction
- Natural Language Processing
- Interaction Design

## **Activities and Volunteering**

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- Social Media Director DGIST International Student Association, [DISA] 2025
- Social Media Manager DGIST International Student Association, [DISA] 2024
- Assisted in propagating the gospel while in school in various student halls 2016-2021.
- Volunteered as a community Physics and Mathematics Instructor 2018-2021.

## **Awards and Conferences**

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|---|----------------------------|
| Most Vibrant(female), NAPS (Nigerian Association of Physics Students, Unilorin Chapter) | <i>July 2021</i>           |
| KMSE society south korea (Poster).  | <i>April 2024</i>          |
| IEIE 2024 Summer Conference South Korea (Oral).   | <i>June 2024</i>           |
| Conference on Electronics, Semiconductor, and AI South Korea (Poster).                  | <i>August 2025</i>         |
| DGIST Graduate Scholarship Award  | <i>Feb 2023 - Feb 2025</i> |
| Lotte Foundation Scholarship Award  | <i>Feb 2023 - Feb 2025</i> |

## **Languages**

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**English:** Native language; distinguished proficiency in listening, speaking, reading, and writing.

## **References**

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**Prof. Idowu Amos Sesan (Ph.D)** Department of Mathematics-University of Ilorin, Nigeria  
*Email:* sesan@yahoo.edu.ng

**Prof. Kayode Oyewumi (Ph.D)** Department of Physics-University of Ilorin, Nigeria  
*Email:* Kjoyewumi66@unilorin.edu.ng

**Dr.John Prada(Ph.D)** Daegu Gyeongbuk Institute of Science and Technology Camera Culture Group (CCG), DGIST Division of Intelligent Robot  
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