

Lawrence Obiuwevwi

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Executive Summary

Lawrence Obiuwevwi is a PhD student in Computer Science at Old Dominion University with a background in Electrical Engineering and a research focus on RF systems, 5G/6G, Open RAN, and AI-enabled xApps for intelligent network control. He works at the intersection of wireless communications and artificial intelligence, building real-time, data-driven systems for traffic steering, beamforming, and RIC-based decision-making. Alongside his technical work, he brings strong leadership and mentorship experience through student organizations, outreach, and funded research, and is driven by a passion for scalable, high-impact technologies and the transformative potential of AI.

Education

PhD in Computer Science

Old Dominion University (ODU), Norfolk, VA, USA

Current GPA: 3.92

Expected Graduation: 2029

- Focus: Team dynamics and human-AI collaboration, teaming, and Mission engineering
- Relevant coursework: Generative AI, Deep learning, Data Science, Advanced Algorithms, and Supporting Cloud computing Architecture.

Professional and Research Experience

PhD Graduate Research Assistant on DoD funded grant projects

Old Dominion University (ODU), Norfolk, VA | January 2024 – Present

- Developing an AI-enabled device integrating physiological, environmental, and speech data.
- Enhanced real-time team dynamics and collaborations, and mission engineering utilizing AI.

Affiliations

- Virginia modeling analysis and simulation center, ODU
- Neuro-Information Retrieval and Data Science Lab ODU
- Center for Secure and Intelligent Critical Systems, ODU

Publications and Presentations

Obiuwevwi, L. et al. (2024). "AI-Enabled Systems for Interdisciplinary Collaboration." Presented at the Capstone Conference, ODU.

L. Obiuwevwi, K. J. Rechowicz, V. Ashok, and S. Jayarathna, "Toward Affordable and Non-Invasive Detection of Hypoglycemia: A Machine Learning Approach," in *Proc. IEEE Int. Conf. on Information Reuse and Integration (IRI)*, Norfolk, VA, USA, 2025.

Extracurricular activities

Founding and current president, Nigerian Student Association, ODU.

Committee Member, Graduate Student Government Association, ODU.

Student Leader, Global Student Fellowship (GSF), ODU.

References

Dr. Sampath Jayarathna, **Associate Professor, CS ODU** | sampath@cs.odu.edu

Dr. Austin Agho, **Chief Integration Officer & Senior Advisor to the President** | aagho@odu.edu

Mrs. Liza Fiore, **Administrative Assistant to the ODU Graduate School** | lmfiore@odu.edu