

Olamide Timothy Tawose, *Ph.D.*

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🌐 <https://scholar.google.com/citations?user=WhQYqMYAAAAJ&hl=en>

Education

- 2018 – 2023 📖 **Ph.D. in Computer Science and Engineering.** University of Nevada, Reno (UNR), USA.
- 2016 – 2017 📖 **M.Sc. in Big Data Science and Technology (Distinction).** University of Bradford, United Kingdom.
- 2010 – 2014 📖 **B.Sc. in Computer Science (First Class).** Ekiti State University, Ekiti State, Nigeria.

Employment

- 2023 – Present 📖 **Assistant Professor.** Lincoln University (LU), PA, USA.
- 2018 – 2023 📖 **Graduate Research Assistant.** University of Nevada, Reno, USA.
- 📖 **Graduate Teaching Assistant.** University of Nevada, Reno, USA.
- June 2021 – August 2021 📖 **Research Assistant.** NSF Research Experiences for Undergraduates (REU) Project (NSF-1950485).
- May 2020 – August 2020 📖 **Summer Intern.** Moka Blox LLC, California, USA.
- December 2017 – August 2018 📖 **Assistant Lecturer.** Department of Computer Science, Ekiti State University, Nigeria.
- December 2015 – November 2017 📖 **Graduate Assistant.** Department of Computer Science, Ekiti State University, Nigeria.
- June 2017 – September 2017 📖 **Post-Graduate Contributor.** Advanced Automotive Analytics (AAA) Research Institute, University of Bradford, UK.
- November 2014 – November 2015 📖 **Information Technology Officer/Support.** College of Medicine, University of Ibadan, Nigeria.
- June 2012 – June 2013 📖 **Google Student Ambassador.** Google Sub-Saharan Africa.
- August 2012 – February 2013 📖 **IT Support/Training Officer.** Shell Nigeria Exploration Petroleum Company I.C.T Centre, Ekiti State University, Nigeria

Teaching

- 2024 Fall 📖 **Instructor:** CSC-2054: Data Structures, CSC-3055: Operating Systems with Linux, CSC-1051: Computer Applications with Coding. LU, USA.
- 2024 Spring 📖 **Instructor:** CSC-151: Computer Applications (MS Office and Python), CSC-454: Software Engineering. LU, USA.
- 2023 Fall 📖 **Instructor:** CSC-151: Computer Applications, CSC-355: Operating Systems. LU, USA.
- 2018 Fall – 2023 📖 **Teaching Assistant:** CS 135: Introduction to Programming in C. UNR, USA.
- 2022 Fall 📖 **Guest Lecturer:** CS 457: Database Management Systems. UNR, USA.
- 2022 Spring 📖 **Guest Lecturer:** CS 791: Distributed Computing. UNR, USA.
- 2021 Summer 📖 **Teaching Assistant:** CS 202: Programming in C++. UNR, USA.
- 2019 Fall 📖 **Guest Lecturer:** CS 691: Data Intensive Computing. UNR, USA.
- 2018 Spring 📖 **Primary Instructor:** CSC 315: Software Engineering. Ekiti State University, Nigeria.

Research Interests and Publications

High-Performance Distributed Computing, Big Data, Artificial Intelligence, Security, Interdisciplinary Research.

(**Olamide Timothy Tawose** is the student's *primary advisor / faculty researcher)

- 1 G. Julius* and **Olamide Timothy Tawose**, "Cyberlions: Empowering lincoln university first-year students in the battle against digital threats," in *The 2024 Undergraduate Research Symposium*, Lincoln University of Pennsylvania, Apr. 2024.
- 2 M. J. Khan, **Olamide Timothy Tawose**, R. Hu, and D. Zhao, "Exploring the efficacy of data-decoupled federated learning for image classification and medical imaging analysis," in *International Workshop on Federated Learning for Distributed Data Mining, co-located with the 29th ACM SIGKDD Conference (KDD)*, ACM, 2023.
- 3 **Olamide Timothy Tawose**, J. Dai, L. Yang, and D. Zhao, "Toward efficient homomorphic encryption for outsourced databases through parallel caching," in *ACM SIGMOD International Conference on Management of Data*, ACM, 2023.
- 4 **Olamide Timothy Tawose**, L. Yang, and D. Zhao, "Topocommit: A topological commit protocol for cross-ledger transactions in scientific computing," in *IEEE International Conference on Cluster Computing (CLUSTER)*, 2023.
- 5 **Olamide Timothy Tawose**, B. Li, L. Yang, F. Yan, and D. Zhao, "Topological modeling and parallelization of multidimensional data on microelectrode arrays," in *2022 IEEE International Parallel and Distributed Processing Symposium (IPDPS)*, IEEE, 2022, pp. 795–805. Direct acceptance
- 6 X. Wang, **Olamide Timothy Tawose**, F. Yan, and D. Zhao, "HDK: Toward high-performance deep-learning-based kirchhoff analysis," in *Proceedings of the AAAI Conference on Artificial Intelligence*, vol. 34, 2020, pp. 997–1004. Oral Presentation
- 7 Q. Jiang, **Olamide Timothy Tawose**, S. Pei, *et al.*, "Weakly-supervised image semantic segmentation based on superpixel region merging," *Big Data and Cognitive Computing*, vol. 3, no. 2, p. 31, 2019.
- 8 J. Wang, **Olamide Timothy Tawose**, L. Jiang, and D. Zhao, "A new data fusion algorithm for wireless sensor networks inspired by hesitant fuzzy entropy," *Sensors*, vol. 19, no. 4, p. 784, 2019.
- 9 J. Wang, **Olamide Timothy Tawose**, L. Jiang, and D. Zhao, "Toward automatic cardiomyocyte clustering and counting through hesitant fuzzy sets," *Applied Sciences*, vol. 9, no. 14, p. 2875, 2019.

Grants, Fellowships and Research Funding




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| 2024 | ■ Fellow, HBCU Cybersecurity Fellows Program. Awarded by PROPEL in partnership with Southern Company. |
| | ■ Travel Award to attend RCD Nexus Day and PEARC'24 Conference. Awarded by Internet2 through funds from NSF Award #2100003. |
| | ■ Faculty Research and Development Grant Award. Awarded by Lincoln University, PA. |
| | ■ Summer Undergraduate Research Grant (SURB). Awarded by Center for Undergraduate Research, Lincoln University, PA. |
| 2023 | ■ Undergraduate Research Grant. Awarded by Center for Undergraduate Research, Lincoln University, PA. |
| | ■ NSF Travel Grant for IEEE Cluster conference. Awarded by IEEE Cluster 2023. |
| 2019 - 2022 | ■ Graduate Access Grant. Awarded by UNR. |

Academic Awards, Honors and Memberships





Awards and Achievements

- 2024  **Recognized as one out of four (4) of the most inspiring and enthusiastic professors** by the Lincoln University PA, Student Government Association (SGA).
- 2023  **2023 class of IEEE Cluster Student Mentoring Program.**
 **CRA-WP Full Travel Scholarship for 2023 Career Mentoring Workshop.** Funded by NSF grant, 1840724.
 **CMD-IT Travel Award for 2023 Academic Careers Workshop.** Funded by NSF grant, CNS 1832169.
- 2022  **Graduate Differential Fee Research Assistant (RA) Scholarship.** Awarded by UNR.
 **GSA Travel Award.** Awarded by UNR.
- 2021  **Outstanding Graduate Student Scholarship.** Awarded by UNR.
 **Nominated for the GSA Outstanding Graduate Teaching Award .**
 **2021B class of Google's CS Research Mentorship Program (CSRMP)**
- 2019  **GSA Travel Award.** Awarded by UNR.
- 2016  **Romberg Grant Award.** Awarded by Heidelberg Laureate Forum (HLF).
 **One of Top 200 Young Researchers Globally.** Awarded by HLF.
 **Postgraduate Scholarship Overseas.** Awarded by Federal Government of Nigeria.
- 2014  **University Prize Award** for 2012/2013 academic session best student with overall result in the graduating class. Awarded by Ekiti State University.
 **Faculty of Science Prize Award** for 2012/2013 academic session best student in the final examination for the degree of the Bachelor of Science. Awarded by Ekiti State University.
 **Dean of Science Prize Award** for 2012/2013 academic session best graduating student in the Physical Sciences. Awarded by Ekiti State University.
- 2012  **2nd Position** in the Olatunji Odegbami ICT Competition for Tertiary Institutions in Nigeria . Awarded by Nigerian Computer Society (NCS).
- 2011  **Merit Award of Excellence + Study Grant.** Awarded by Emerging Marketers Telecommunications Services Limited (ETISALAT), Nigeria.

Professional Memberships and Certifications

- 2023 – present  **Member.** Institute of Electrical and Electronics Engineers (IEEE).
- 2022  **Certificate in Effective College Instruction.** Awarded by Association of College and University Educators (ACUE) and American Council on Education.
- 2021 – present  **Member.** Association of Computer Machinery (ACM).

Services

- 2024  **Member.** Hiring Committee for two Assistant Professor positions, CS Department, LU, PA, USA.
 **Reviewer.** CMD-IT/ACM Richard Tapia Celebration of Diversity in Computing Conference (Tapia 2024).
 **Computer Science Departmental Representative.** Feel the Roar, LU, PA.
- 2023 – present  **Computer Science Departmental Content Manager.** LU Website.

Services (continued)

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| | ■ Undergraduate Advisor / Mentor. CS Department, LU, PA. |
| | ■ Faculty Researcher. Center for Undergraduate Research, LU, PA, USA. |
| 2023 | ■ Session Chair (Distributed Machine Learning). IEEE Cluster 2023. |
| | ■ Presenter. Lincoln University of Pennsylvania Board of Trustee's (BOT) Meeting, LU, PA. |
| | ■ Presenter. Center for Excellence in Teaching & Learning (CETL) workshop, LU, PA. |
| | ■ Facilitator. New Faculty Conference, LU, PA. |
| 2023 – present | ■ Technical Reviewer. SIGMOD, IEEE Internet of Things, Journal of Big Data (Springer Nature), IEEE China Communications. |
| 2021 – present | ■ Technical Reviewer. IEEE International Conference on Big Data. |
| 2018 – present | ■ Technical Reviewer. IEEE Access, IJCIS, MDPI. |
| 2019 – 2023 | ■ Undergraduate Mentor. CSE Department, UNR, USA. |
| 2018 – 2023 | ■ CSE GradVenture Panelist. UNR, USA. |
| July 2017 – August 2017 | ■ Intern Co-instructor. Faculty of Engineering and Informatics, University of Bradford, UK. |

References

Dr. Dongfang Zhao

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Dr. Lei Yang

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