

SUMMARIZED CURRICULUM VITAE



Dr. CPA Leonard W. Wakoli, PhD

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Current Position: Leonard Wakoli is a Senior Lecturer in the Department of Information Technology, Faculty of Computing and Information Technology at Multimedia University of Kenya.

Academic Qualification: Leonard has a Doctorate in Information Security and Audit from Jaramogi Oginga Odinga University of Science and Technology - Kenya, a Master of Science degree in Software Engineering from Jomo Kenyatta University of Agriculture and Technology (JKUAT) - Kenya, a Post Graduate Diploma in Management of Information Systems from the University of Greenwich, London - UK, a Bachelor's degree in Mathematics and Computing from Jomo Kenyatta University of Agriculture and Technology (JKUAT) - Kenya, and a Diploma in Science Education (Mathematics and Physics) from the defunct Kenya Science Teachers College - Kenya.

Professional Certifications: Certified High School Teacher, Certified Public Accountant-Kenya CPA(K), Certified Environmental Impact Assessment Auditor (Africa Nazarene University, Kenya) and the IT Infrastructure Library (ITIL).

Work Experience: Leonard has well over 30 years of teaching experience right from High School through University.

Research Interests: Block-chain technology, use machine learning and deep learning to optimize the security in the cyberspace. Leonard has a passion for the development of predictive models using both machine learning and deep learning tools. He has published over 15 papers and has authored a Python Programming text book that is due for publication. He has successfully supervised over 10 Master of Science Students and currently supervising 3 PhD Students in different universities. Leonard has vast experience in the use of various data analytics tools such as SPSS, Amos SPSS, WarpPLS-SEM, together with machine learning and deep learning algorithms in model development such as Random Forest (RF), Support Vector Machines (SVM) and long short term memory (LSTM), together with Keras, TensorFlow and PyTorch frameworks.

CURRENT RESEARCH INTEREST:

Development of AI-enabled models for real-time prediction of network cyber-attacks.