



Dr. Alunyu Andrew Egwar

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Lecturing/Teaching Experience

Senior Lecturer, Lira University

March 2025 - To Date

- Course design and delivery
- Student assessment
- Curriculum development
- Conduct research, publish, and collaborate with peers
- Outreach and community engagement

Senior Lecturer, Busitema University

April 2024 – March 2025

- Course design and delivery, student assessment, curriculum development, and mentorship
- Conduct research, publish, and collaborate with peers.
- Outreach and community engagement

Lecturer, Busitema University

August 2009 – April 2024

- Teach and assess students effectively
- Conduct and publish academic research
- Participate in departmental and university service
- Engage in community outreach & professional development

Visiting Lecturer, Gulu University

August 2007 – August 2009

- Deliver lectures and tutorials in assigned subject areas
- Support student learning through guidance and assessment

Education Officer, Uganda's MoES

2004 – 2005

- Teach and assess students in assigned subjects
- Guide and mentor learners in academic and personal development
- Participate in school administration

Consultancies

Consultant- Competency Exam, Uganda's PSC

Nov 2025

- Identify core competencies for Headteacher and Deputy Headteacher roles
- Develop exam questions (written, scenario-based, and practical assessments).
- Create a detailed marking guide with scoring rubrics and performance indicators.

Consultant- Slide Deck on Competency-Based Selection Manual, Uganda's PSC

March 2025 – June 2025

- Review the Competency-Based Selection Manual thoroughly.
- Identify and summarize key sections

Education

Makerere University

2016 – 2023

PhD in Information Systems

RUFORUM and Centre of Excellence

14th August – 18th August 2023

Certificate in Advanced Statistics and Experimental Design

USAID-Blended Course

Sept 2022 – Dec 2022

Certificate in Planning National Digital Systems

Makerere University

Jan 2019 - July, 2019

Certificate in Advanced Qualitative and Quantitative Data Analysis.

Makerere University

2005-2009

Master of Science in Data

Communications and Software Engineering

Makerere University

April 200

CISCO Certificate in designing and building Cisco WAN infrastructure
Awarded by Cisco Networking Academy

Mbarara University of Science and Technology

1997-2000

Bachelor of Science in Education

Supervision of Postgraduate Students

1. Idarous Saleh Said, Master of Computer Forensics: Digital Evidence Lifecycle Management

- Develop a structured slide deck with clear headings, visuals, and examples.
- Incorporate case studies, flowcharts, and diagrams where appropriate.
- Ensure alignment with PSC's official branding guidelines.
- Provide editable PowerPoint files for future updates.

Research Consultant, NCDC

Dec 2024 - Feb 2025

- Gather insights from students, educators, and career advisors to identify challenges and improve career selection strategies.
- Collaborate with IT experts to create a data-driven career selection model tailored to Uganda's educational needs.
- Ensure the model aligns with national curriculum goals and supports structured career guidance for secondary students.
- Work with government agencies, educators, and industry leaders to validate and enhance the model's relevance.
- Develop key performance indicators, conduct pilot testing, and refine the model based on feedback and measurable impact.

Consultant- Digital Economy

March 2023 - May 2023

Provide and Equip Ltd's

- Technical team lead on baseline survey of the impact of the Young Africa Works program in Uganda.
- Monitoring and evaluation of the project outcomes for youths in Uganda
- Data analysis and qualitative reporting of the state of Uganda's digital economy for youths in Uganda.
- Develop a slide deck for the report presentation in a stakeholder workshop.

Consultant- Standardisation of Digital Health

Jan 2021- Oct 2022

Uganda's Ministry of Health

- Provide expert technical leadership for the standardisation of Uganda's digital health communication infrastructure
- Support adoption and operationalisation of standing operational standards and guidelines for Uganda's digital health communication infrastructure.
- Prepare a PowerPoint presentation, present findings/proposed standards to digital health stakeholders in Uganda and share the outputs with MoH Department of Health Information and Data Security.
- Support digitisation of Uganda's digital health artefacts on the MoH knowledge portal.

Consultant - Developmental Planning

Dec 2021 - Jan 2022

TESO Cooperative Union

- Assess market trends, financial data, and cooperative performance to inform strategic decisions.
- Recommend IT-driven solutions to enhance efficiency and modernise operations.
- Ensure alignment with cooperative regulations and industry standards for sustainability.
- Evaluate infrastructure needs and optimise resource allocation for operational success.
- Develop an implementation framework and key performance indicators to track and refine the strategic plan's impact.
- Create compelling presentations to communicate strategic goals and engage stakeholders effectively.

Consultant - Sustainability Planning

Sept 2021- Oct 2021

Uganda Cooperative College, Kigumba

Framework in Courts of Law (DELM-C) -A Case of Zanzibar High Courts.

Supervised between 2024 - 2025

2. Opolot Francis, Master of Computer Forensics A Framework for Cybercrime Digital Evidence Acquisition.

Supervised between 2022 - 2023

3. Makheti Alex, Master of Computer Forensics: A Process Model to Enhance the Accuracy of Digital Forensic Investigations: A case of National Identification and Registration Authority (NIRA-Uganda).

Supervised between 2020 - 2022

4. Wafula, John Bosco, Master of Computer Forensics: An application-based framework for curbing mobile phonerelated crimes: Results of a preliminary study in Eastern Uganda.

Supervised between 2020 - 2022

5. Kisembo Isaac Moses, Master of Computer Forensics: An algorithm for improving email security on the android operating system in the industry 4.0 era.

Supervised between 2019 - 2021

Referees

1. Dr. Joseph Wamema, PhD

Regional Analyst - East African Community
Vital Wave, Inc
555 Yant Street #226
Palo Alto, CA 94301
Telephone (Mob): +256-778666622 / +256-702959735
Email: josephwamema@gmail.com

2. Dr. Acomo Elizabeth, PhD

Principal Selection Systems Officer
Uganda Public Service Commission
2nd Floor Farmers House
Parliament Avenue
P.O Box 7080
Tel: +256-781 475761
Email: aacomeli@gmail.com

3. Dr. Ocen Gilbert Gilibrays, PhD

Director, Directorate of ICT

- Conduct research on cooperative education trends, student needs, and financial and operational data to inform strategic decisions.
- Recommend IT-driven solutions to modernize cooperative education, including e-learning platforms and AI-driven innovations.
- Ensure alignment with Uganda's education policies and cooperative education frameworks to support institutional growth.
- Assess and optimize the college's infrastructure needs, including classrooms, digital labs, and cooperative training facilities.
- Establish KPIs to measure strategic success and prepare slide decks and presentations for stakeholders

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779394120
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Publications

Are registered on Google Scholar
- [Andrew Alunyu Egwar \(PhD\) -
Google Scholar](#)

Additional Professional Tasks

- Conducted a landscape analysis of constituent components of Uganda's digital health communication infrastructures (2020).
 - Developed a process for determining suitable standards for Uganda (2022)
 - Developed contextual standards for Uganda's digital health communication infrastructure (Dec 2022).
 - Developed framework for standardising digital health in Uganda (2022).
 - Reviewed the digital health training curriculum for the African region (2020)
 - Explored readiness of existing digital health systems for malaria and HIV to support Uganda's MoH to provide responsive care and interventions on real-time surveillance (MRC-UK Project, 2019 - 2022).
 - Developed a collaborative process to conduct curriculum review (2018).
 - Team member in developing an academic program for a PhD in Cyber Physical Systems at Busitema University (2022).
 - Reviewed Bachelor's of Computer Engineering Curriculum (2011), Bachelor's of Computer Science (2009), and Bachelor's of Information Technology (2009).
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