

Andrew Anogie Uduimoh

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Email: a.uduimoh@futminna.edu.ng

LinkedIn: [andrew-uduimoh](#)

Phone: (234) 7035584173

Research Interests Privacy and Security, Human-Centered Computing, Human Factors in Cybersecurity, Digital Forensics, Artificial Intelligence

Education **Federal University of Technology Minna** Minna, Niger State
M.Tech in Cyber Security Science (Distinction) March 2017
GPA: 4.68/5.0

B.Tech Mathematics/Computer Science (Second Class Upper) June 2012
GPA: 3.51/5.0

Certifications
HUAWEI HCNA Routing and Switching March 2019
IC3 Global Digital Literacy Certification: Key Applications and Computing Fundamentals April 2018
Oracle 9i:SQL August 2012

Selected Research experience **ScamNada: A Dynamic Anti-Scam Framework and Gamified Scam Awareness Approach for Digital Banking Users in Nigeria** November 2023 - Present

- Researched and evaluated scam techniques, identifying security behaviors among digital banking users in Nigeria.
- Developed educational content and designed the framework knowledge base for user-centric scam prevention.
- Supervised undergraduate students in implementing the framework as their final-year project.

Development of Ransomware Awareness Mobile Game Application January 2024 - Present

- Conceptualized and supervised the development of an interactive mobile game that simulates real-world ransomware incidents.
- Designed instructional materials that integrate cybersecurity principles with engaging game mechanics.
- Ensured the game reflects up-to-date ransomware threats and prepares users with practical decision-making skills.

Digital Policing for the Nigerian Police Force (NPF) January 2018 - December 2018

- Reviewed and evaluated 18 police-assisted mobile applications, including 6 used in Nigeria, to assess their functionality, strengths, limitations, and forensic soundness.
- Proposed a forensic-process model for integrating reliable forensic practices into Nigerian police-assisted mobile applications.
- Contributed to the development of a mathematical model for police apps that meet admissibility criteria for capturing digital evidence.

Forensic Analysis of Mobile Banking Applications in Nigeria June 2015 - October 2017

- Conducted a forensic analysis on five mobile banking apps of the top Nigerian banks, discovering vulnerabilities in user data retention.
- Partnered with the NITDA forensic laboratory, using UFED Touch and FRED to acquire and analyze internal memory data.
- Expanded research to cover 12 mobile banking apps, revealing significant vulnerabilities in all.

Work Experience

Federal University of Technology (Cyber Security Science Department) Minna, Niger State

Lecturer II October 2023 - Present

- Contributed to curriculum development for the department.
- Developed content for the FUTMinna online learning platform for first-year students.
- Served on the committee for creating the self-study document for the department's 2024 accreditation.

Assistant Lecturer April 2018 - October 2023

- Instructed cybersecurity science students through lectures, discussions, and demonstrations.
- Served as an undergraduate Turnitin advisor, ensuring academic integrity and proper citation practices.
- Guided undergraduate students in researching, structuring, and presenting their theses.

Aduvie International School Abuja, FCT

ICT Instructor Jan. 2018 - March 2018

- Engaged students in computer science from K1 to K6, sparking their interest in the subject and its applications.
- Prepared students for the IC3 Global Digital Literacy Certification, improving their digital literacy skills.
- Conducted extracurricular scratch programming classes that foster creativity and coding skills among students.

Mawo International Schools Minna, Niger State

Mathematics & Further Mathematics Teacher January 2014 - December 2017

- Achieved over 20% improvement in overall student performance in Mathematics and Further Mathematics.
- Prepared students for the Cowbell Mathematics Competition, enhancing their problem-solving and analytical skills.

Baptist Secondary School Iyah Gbede Iyah Gbede, Kogi State

Mathematics and Computing Teacher May 2012 - July 2013

- Created learning programs to engage children from low-income communities in computer literacy.
- Organized sporting activities to promote physical fitness and enhance students' enjoyment of school.
- Encouraged and facilitated community service projects with students, fostering social responsibility and community involvement.

Amitech Computers Institute Minna, Niger State

Interns May 2011 - June 2012

- Trained in project management skills.
- Acquired basic computing skills, including proficiency in Microsoft Excel and PowerPoint.

Teaching Advising

& Federal University of Technology, Minna (Courses Taught)

Undergraduate

- CSS 327, Development in the.NET environment, 2017/2018 - 2018/2019 sessions.
- CSS 522, Current Trends in Cyber Security 2017/2018; 2019/2020; 2022/2023.
- CSS 411, Digital Forensics 2018/2019; 2019/2022; 2022/2023
- CSS 412, Ethical Hacking and Countermeasure I 2018/2019.
- CSS 512, Ethical Hacking and Countermeasure II 2018/2019.
- CSS 514, Cyber Forensics 2019/2020; 2020/2021; 2022/2023.
- CSS 325, Ethical Hacking and Countermeasure 2022/2023.

Postgraduate Diploma

- CSS 625, Artificial intelligence 2017/2018.
- CSS 614, Risk Management 2019/2020

Project Supervision

- 2018/2019; 2019/2022; 2022/2023; 2023/2024 academic session: Minimum of 4 Cyber Security Science students each session.

Service and outreach

and Independent National Electoral Commission (INEC)

Ward/Registration Collation Officer, INEC General Elections

2019, 2023

- Supervised the collation and verification of voter registration data across multiple polling units.
- Coordinated with election officials and local security personnel to ensure the integrity and smooth conduct of the voting process.
- Monitored and reported irregularities during the collation of votes in adherence to electoral guidelines.

SIFE in Partnership United States Consulate-General

North-North Youth Empowerment

2008 - 2009

- Facilitated skill-building workshops aimed at empowering youth with entrepreneurial and leadership skills.
- Coordinated training sessions on sustainable business practices and social entrepreneurship.
- Assisted in the planning and execution of community outreach programs that focused on promoting economic growth and social development.

Publications (Journals)

Application of Machine Learning Algorithm for Classification of Fake COVID-19 Tweets.

Malomo O. S., Uduimoh, A. A., and Alhassan J.K.

Journal of Science, Technology, Mathematics and Education [JOSTMED]. Science Education Department, Federal University of Technology, Minna, 2023.

Design Framework of Cyber Security Solutions to Threats and Attacks on Critical Infrastructure of Electricity Power Systems of Nigeria Companies

Ismaila Idris, Ilyas Adeleke, **Andrew Anogie Uduimoh**, and Joshua J. Tom.

International Journal of Computing, Intelligence and Security Research (IJCISR), 2023.

Forensic Analysis of Mobile Banking Applications in Nigeria.

Uduimoh, A. A., Ismaila, I., Osho, O., and Abdulhamid, S. M.

i-manager's Journal of Mobile Applications and Technologies, 6(1), 9-20, 2019.

(Conference) Integration Of Consortium Blockchain Model In The Nigerian Banking Sector.

Ojerinde, O. A., Salawu, J., A. Abisoye, O., & **A. Uduimoh, A.**

In The 5th International Conference on Future Networks & Distributed Systems (pp. 252-257). 2021.

Effective Policing Apparatus in Nigeria: The Place of Forensic Soundness.

J Alhassan, A Muhammed, N Iwokhagh, M Aibinu, J Ojeniyi, **A Uduimoh**

ICCWS 2019 14th International Conference on Cyber Warfare and Security

(Book Chapters) AbsoluteSecure: A Tri-Layered Data Security System.

Osho O., Musa F. A., Misra S., **Uduimoh A. A.**, Adewunmi A., Ahuja R.

Damaševicius R., Vasiljeviene G. (eds) Information and Software Technologies. ICIST 2019. Communications in Computer and Information Science, vol 1078, 243-255. Springer, Cham

Forensic Analysis of Mobile Banking Apps

Osho O., Mohammed U. L., Nimzing N. N., **Uduimoh A. A.**, Misra S.

Misra S. et al. (eds) Computational Science and Its PUBLICATIONS, RESEARCH, AND REVIEWING ACTIVITIES Applications – ICCSA 2019. ICCSA 2019. Lecture Notes in Computer Science, vol 11623, 613-626. Springer, Cham

Review Activities **Reviewer,** International Conference on Information Communication Technology and Its Applications (ICTA 2018).

Honors and Awards Commendation for Service Excellence (National Youth Service Corps, Kogi state of Nigeria) 2013
Outstanding Conduct and Character Award (Baptist Secondary Commercial School, Iyah – Gbede) 2013

Skills **Technical**
Huawei Routing and Switching Certificate (HCNA)
Mobile Forensics
Database management
Technical Research
Project Management
System maintenance and troubleshooting
Teaching and Training
Excellent Communication, Leadership, Planning and Interpersonal Skills
Strong analytical and creative thinking ability

Languages

English (fluent), Afemai (Native), Hausa (Beginner)

Other interests Developing Ideas, Researching, Meditating, Imparting, Playing Table Tennis and Badminton.