

Nura Tijjani Abubakar

PhD Computer Science

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Kingston Lane, UB8 3PH, Uxbridge, UK

PROFILE

- *A motivated and focused PhD Graduate in Computer Science through Brunel University, London. Holds excellent research and networking skills, has extensive work experience as a Lecturer and Head of Department, has released numerous published articles and highly regarded as a conference speaker.*
- *Determined and hard working with proven analytical experience along with the ability to relate well to diverse groups. Organised with strong attention to detail skills and excellent time management.*
- *A true academic Professional with excellent communication and observational skills and a strong belief in ongoing professional development. Highly regarded by both colleagues and students as a key advisor, creative and pragmatic problem solver, skilled leader and natural influencer.*

AREAS OF EXPERTISE

- Lecturing in Computer Sc.
- Research & Analysis
- Networking
- Adaptability
- Presentation Skills
- Communication
- Project Management
- Problem Solving
- Leadership
- Team Building
- Articulate & Assertive
- Dedicated & Dependable
- High Initiative
- Working Under Pressure
- Critical Thinking
- Multitasking
- I.T. Programming

Educational Qualifications

Brunel University London, UK

2017 - 2021

PhD Computer Science

The theme of my PhD is “**Distributed Simulation Cloud Architecture for Experimentation (Dice).**” My study investigated how the cloud can be used to connect geographically distributed federates to analyse operational systems. To achieve that, a deployment architecture is proposed and experimented with potentials benefit OR modellers. Furthermore, a development methodology is proposed to guide analysts at every step of the cloud-based distributed simulation (CBDS) implementation - from concept to cloud execution.

I was motivated to conduct this research due to my interest in operational research, cloud computing and background in software engineering. I believe at this stage I have enhanced many of my skills in fields such as research and analysis, cloud technologies, networking, and written and verbal communications.

Key Areas:

- **Research/Presentation:** Reviewing critical, in-depth evaluations of research already undertaken on this subject, to identify relevant information and the gap in research that my work will address. Presenting ongoing findings in a clear, concise and easily understood manner.
- **Collaboration:** Using strong interpersonal and communication abilities to build relationships with industry experts and gain their insight into relevant knowledge and experiences.

Oxford Brookes University, Oxford, UK

2009 - 2010

MSc Software Engineering

The course is focussed on the process of developing software, from the initial gathering of requirements, through the design of the functionality and human interface, to the implementation of the final product.

Oxford Brookes University, Singapore

2007

BSc Computing & Software Engineering – First Class Honours

Professional Diploma in Leadership	Shaw Academy	2020
Diploma in Data Processing & Desktop Publishing - Grade A	Gabdid Computer Institute	2000
Professional Diploma in Information Systems - Grade A	Informatics Institute, Singapore	2008
International Advanced Diploma in Computing - Grade B	Informatics Institute, Singapore	2006
International Diploma in Computing - Grade A	Informatics Institute, Singapore	2006

RELEVANT WORK EXPERIENCE

Brunel University London, UK ***Post-Doctoral Researcher***

2022 – Date

Key Responsibilities:

- Preparing & delivering lectures to students – planning, preparing and researching content for each lesson and employing differentiated teaching methods to address all learning styles.
- Supervising postgraduate and undergraduate students in their research activities and compiling, administering and grading papers and exams.
- Constantly reviewing industry developments and regulations

Jigawa State Institute of Information Technology ***Lecturer/Head of Department***

2011 – Date

Key Responsibilities:

- Preparing & delivering lectures to students – planning, preparing and researching content for each lesson and employing differentiated teaching methods to address all learning styles.
- Supervising students in their research activities and compiling, administering and grading papers and exams.
- Constantly reviewing industry developments and regulations and analysing potential impacts.
- Advising and assisting students where required, and providing a trusted point of contact for learners.
- Attending meetings to regularly liaise with faculty and academics on module content and student progress.

Mikro-Tech Software Ltd, Nigeria ***Project Manager/System Analyst***

Oct '11 - Date

Key Responsibilities:

- Worked closely with project teams on the diagnosis of system issues, carrying out testing and supporting the timely and efficient delivery of all project deliverables.
- Collaborated with a multidisciplinary team including developers, testers, stakeholders and a variety of end users.
- Communicated written and verbal status effectively with key stakeholders, explaining often complex issues in easy to understand terms. Also, consistently engaged with them in the identification and mitigation of risk for the overall product, project and process.
- Used exceptional communication skills to liaise with clients (Business Users & SMEs) assessing their requirements and subsequently translating requirements into highly specified project prototypes.

Mind Master, Singapore ***System Analyst/Programmer***

Feb '07 – Oct '09

Additional Training & Certifications

Sun Microsystems	: Web Publishing (Singapore)
Megatrons	: Java Programming (Preparatory Course for SCJP) (Singapore)
Informatics	: Web Dev. with ASP.NET, C# & VB.NET (Singapore)
Informatics	: Macromedia Dreamweaver MX (Singapore)
Informatics	: Macromedia Flash MX (Singapore)
Informatics	: Microsoft Access 2003 Professional (Singapore)
ILM	: Brookes Future Leaders Certificate (London)
King's College	: Leadership in Action (LiA), London
King's College	: Introduction to Business Management

Conferences

- NT Abubakar (2005): Hacker Halted Conference, EC-Council, Jurong, Singapore.
- NT Abubakar (2009): Free and Open Source Software (FOSS), Kano, Nigeria.
- A Anagnostou, SJE Taylor, NT Abubakar, T Kiss, J Deslauriers, G Gesmier, G Terstyanszky, P Kacsuk, J Kovacs (2019), *Towards A Deadline-Based Simulation Experimentation Framework Using Micro-Services Auto-Scaling Approach*. In: Proceedings of the 2019 Winter Simulation Conference, IEEE, Washington, DC, USA.
- NT Abubakar, SJE Taylor, A Anagnostou (2018), Cloud-based modeling & simulation: Introducing the Distributed Simulation Layer. In: Proceedings of the 2018 Winter Simulation Conference, 4218-4219
- NT Abubakar (2012): 2nd Interdisciplinary Annual Conference: College of Foundation Studies and Entrepreneurship Education, Hussaini Adamu Federal Polytechnic, Kazaure, Jigawa State, Nigeria.
- NT Abubakar (2016): Multidisciplinary Cross-Border Conference: Research Nexus Africa Networks in Collaboration with University of Professional Studies, Accra, Ghana.
- NT Abubakar, SJE Taylor, A Anagnostou (2018): A Scalable Cloud Infrastructure Architecture for Distributed Simulation. Student Research Conference, Brunel University London, United Kingdom.
- NT Abubakar, SJE Taylor, A Anagnostou (2019): Cloud-Based Modelling & Simulation: Introducing the Distributed Simulation Layer (DSL). Student Research Conference Brunel University London, United Kingdom.
- NT Abubakar, SJE Taylor, A Anagnostou (2019): Cloud-Based Modelling & Simulation: Introducing the Distributed Simulation Layer (DSL). Doctoral Symposium. BCS, The Chartered Institute for IT, London, United Kingdom.
- Taylor, S.J.E., Anagnostou, A., Abubakar, N. T., Kiss, T., Deslauriers, J., Terstyanszky, G., Kacsuk, P., Kovacs, J., Kite, S., Pattison, G. and Petry, J. (2020). Innovations in simulation: Experiences with Cloud-based Simulation Experimentation. In: Proceedings of the 2020 Winter Simulation Conference, IEEE, Orlando, Florida, USA.
- Ibrahim Muktar, Nura Tijjani Abubakar, Ibrahim Adamu, Umar Abubakar Maina & Ibrahim Muhammad Ibrahim (2019): Evolution of Mobile Services and Preparedness for the Deployment of Fifth Generation Technologies in Nigeria. Conference on Digital Innovations & Contemp Res. In Sc., Eng & Tech. Vol. 7, No. 3. Pp 15-22

Field Research

- Consultant (Jigawa) : Use of ICT and Social Media in Governance. A Design
- Research for DFID's Engaged Citizens Pillar (ECP) conducted by REBOOT DESIGN, U.S.A. (2016 - 2017)
- Data Analyst: Opinion Survey on the Performance of the Sokoto State Government 2015 - 2017 conducted by Direct Contact Nig. Ltd.
- Researcher: Simulation Exploration Experience (SEE) Programme by National Aeronautics and Space Administration (NASA), JSC, Florida, USA. (2018 - Date)

Publications

- NT Abubakar, I. Muhammad (2013), *Ethics in ICT Education: Utilizing Mobile Gadgets in In Teaching and Learning Process*, Journal of Vocational and Technical Educators (JOVTED).
- NT Abubakar (2013), *Information and Communications Technology (ICT) in Northern Nigeria: The Constraints*, Journal of Vocational and Technical Educators (JOVTED).
- NT Abubakar (2014), *Uses of Information and Communication in Nigeria: Issues and Way Forward*, Journal of Vocational and Technical Educators (JOVTED).
- NT Abubakar (2014), *Software Project Risk Analysis & Measurement: Quality Assessment Using Risk Priority*, Journal of Vocational and Technical Educators (JOVTED).

- Nura, T.A. & Ibrahim, M.I. (2020): *Minimising Nigeria's Security Challenges with the Aid of Technology*. Social Informatics, Business, Politics, Law & Technology Journal. Vol. 6. No. 1, Pp 1-
www.isteamssocialinformaticsjournal
- Nura, T.A., Ibrahim, M.I. & Najeeb A.A Gambo (2020): *Using Technology for Teaching and Learning in Nigeria: A Case Study of OpenSchool Nigeria Project*. Computing, Information Systems, Development Informatics & Allied Research Journal. Vol 11 No 1, Pp 49-52 Available online at www.computing-infosystemsjournal.info
- Nura, T. A., Ibrahim, M., Ibrahim, A., Umar, A.M. & Ibrahim, M.I. (2020): *5G Security and COVID-19 Pandemic: Analysis of Vulnerabilities from the Technology Perspectives*. Journal of Behavioural Informatics, Digital Humanities and Development Research. Vol.6. No. 1, Pp 77-80 Available online at <https://www.behaviouralinformaticsjournal.info>
- Abdullahi, T., Abdulrauf, A., Nura, T.A. & Ibrahim, M.I. (2020): *Solar Energy as an Alternative Source of Electricity Generation in Nigeria: A Review*. Journal of Digital Innovations & Contemporary Research in Science, Engineering & Technology. Vol. 8, No. 1. Pp 65-70

Awards/Recognition

- Award of Academic Excellence: Jigawa State Governor (Nigeria 2008)
- Best Research Poster: Student Conference - Brunel University, London (UK, 2018)
- Best Research Poster: PhD Symposium - Brunel University, London (UK, 2020)
- 2nd Position/People's Choice (3MT): Brunel University London (UK, 2019)

REFERENCES

Available Upon Request