

AJAYI Anuoluwapo. O, PH.D

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EDUCATIONAL BACKGROUND

1. Higher Educational Institutions Attended with Dates:

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| (i) | Federal University of Agriculture, Abèòkúta; | 1989-1994. |
| (ii) | Obafemi Awolowo University, Ilé-Ife; | 1999-2003. |
| (iii) | Obafemi Awolowo University, Ilé-Ife; | 2003-2008. |

2. Academic/Professional Qualifications and Distinctions Obtained with Dates:

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| (i) | B.Sc. (Hons) Mathematical Sciences (Computer Science Option) | 1994. |
| (ii) | M.Sc. Computer Science, | 2003. |
| (iii) | Ph.D. Computer Science, | 2008. |
| (iv) | Certificate, Blackboard's LMS User Train-the-Trainer Course, | 2009. |
| (v) | Certificate, CPN Executive Registration Course, | 2010. |
| (vi) | Certification in "Programming Concepts", Brainbench, USA | 2011. |
| (vii) | Certificate, Moodle online training, Worcester College of Technology, | 2012. |

3. Other Distinctions and Awards with Dates:

a) Research Grant

- (i) Awarded three months Research Study visit to the Department of Computer Science, University of Zululand, South Africa.- April-June, 2005.
- (ii) Awarded one month Research Study visit to the University of Kuopio, Finland, by the Academy of Finland, Finland - August 2007.
- (iii) Awarded one month Research Study visit to LORIA-Nancy 2 University, France, by the French Government - October 2008.
- (iv) Empowering the Teachers Programme fellowship, sponsored by Google and Total, 2012

b) National Awards

- (i) Nigeria Universities Commission (NUC) Certificate of Appreciation at the 2nd Nigeria Universities Research & Development Fair. December 6-8 2006. Abuja, Nigeria.

c) International Awards

- (i) Certificate of Appreciation of Service to the Informing Science Institute at the IⁿSITE 2010 Conference, June 19-24, Cassino, Italy.
- (ii) Certificate of Appreciation of Service to the Informing Science Institute as a member of International Review Board, 2012.
- (iii) Certificate in recognition of my outstanding contribution as a fellow of the Empowering the Teachers Program, Massachusetts Institute Technology International Science and Technology Initiatives, Massachusetts Institute Technology, USA - 2012.

WORK EXPERIENCE WITH DATES

1. Previous Work Experience outside the University System with Dates:

- (i) National Youth Service Corps (NYSC): CEETIE Computers, Ilorin, Kwara State. 30th May 1994 – 29th May 1995.

- (ii) Programmer/Instructor: Abẹ̀òkúta Continuing Education Centre (ABEOCEC) Computer School, Abeokuta: November 1995 – December 1996.
- (iii) Coordinator/Instructor: Ogun State University Consultancy Services, Abẹ̀òkúta Campus: January 1997 - May 1998.
- (iv) Part-Time Instructor: University of Agriculture, Abẹ̀òkúta, Computer Centre, Abẹ̀òkúta: May 1997- April 1998.

2. Work Experience in Obafemi Awolowo University

Department of Computer Science and Engineering

- (a) Graduate Assistant - June 15th, 1998 – October 28th, 2003.
- (b) Assistant Lecturer - October 29th, 2003 – September 30th, 2006.
- (c) Lecturer II - October 1st, 2006 – September 30th, 2008.
- (d) Lecturer I - October 1st, 2008 – Date.

4. Courses Taught Within the Current Academic Session

Teaching and handling of the following courses:

Artificial Intelligence
 Object-Oriented Programming
 Automata Theory and Computability
 Principles of Compiling
 Computer Graphics

MEMBERSHIP OF PROFESSIONAL BODIES

1. Nigeria Computer Society
2. Institute of Electrical and Electronics Engineers (IEEE) Computer Society
3. International Association of Engineers (IAENG), Membership.
4. International Association of Computer Science and Information Technology.
5. Computer Professional Council, Nigeria.
6. Informing Science Institute, USA.
7. Guest Researcher with SITE Research Group, LORIA, France.

PUBLICATIONS

1. Theses:

- (i) **AJAYI A.O.** (1994): UNAAB Clinic Medical Information System, B.Sc. Thesis, Department of Mathematical Sciences, Federal University of Agriculture, Abẹ̀òkúta.
- (ii) **AJAYI A.O.** (2003): Design and Implementation of a Subset Interpreter for the Yoruba Language. M.Sc. Thesis, Department of Computer Science and Engineering, Obafemi Awolowo University, Ilé-Ife.
- (iii) **AJAYI A.O.** (2008): Development of an Improved Quality of Service Model for Electronic Commerce. Ph.D. Thesis, Department of Computer Science and Engineering, Obafemi Awolowo University, Ilé-Ife.

2. Books and Monographs:

Anuoluwapo Ajayi (2011). Enhanced Quality of Service Broker Model for Electronic Commerce, Lambert Academic Publishing, Germany.

3. Contributions to Books:

Philip Achimugu, Abimbola Soriyan, Oluwatolani Oluwagbemi, **Anu Ajayi** (2010). Record Linkage system in a complex relational database - MINPHIS example. Studies in Health Technology and Informatics, IOS Press, USA

4. Published Journal Articles

- i) **Ajayi A.O.**, Olajubu E.A., Bello S.A. Obamuyide A.V. (2011). A Low Cost Course Information Syndication System. *Journal of Information Technology Education: Innovation and Practice*, 10:105-118, USA.
- ii) E.A. Olajubu, G.A. Aderounmu, and **A.O. Ajayi**. (2011). Lightweight agents, Mobile Agent and RPC schemes: A comparative Analysis. *Journal of Computing and Information Technology*, 19(2): 93-104, Croatia.
- iii) E.A. Olajubu, **A.O. Ajayi**, and G.A. Aderounmu. (2011). A fuzzy logic based multi-agents control, *Expert systems with Applications*, 38(5):4860-4865, Netherlands.
- iv) S.A. Akinboro, G.A. Aderounmu, E.A. Olajubu, **A.O. Ajayi**, and Ogundoyin I. K. (2011). An Improved Computational Model for Adaptive Communication Channel Estimation. *International Journal of Computers, Communication and Control*. VI (2):201-213, Romania.
- v) **A.O. Ajayi**, G.A. Aderounmu, E.A. Olajubu, and S.A. Bello. (2011). Fuzzy Logic Based Quality of Service Broker Model: Simulation in Simulink. *Research Journal of Information Technology*, 3(2), 68-71, UK.
- vi) Akinboro, S. A., Adegoke, M. A., Olajubu, E. A., and **Ajayi, A.O.** (2011). Adaptive Filtering Approach for Fault Management in Bells Wireless Campus Area Network. *Journal of Computer Science & Its Application*, 19(2): 1-10, Nigeria
- vii) E.A. Olajubu, **A.O. Ajayi**, D.F. Ninan, S.A. Bello, B.O. Olofin, and T.O. Omodunbi. (2010). E-Management Framework for Teaching Hospital Complexes in Developing Countries. *International Journal of Computer Theory and Engineering*, 2(6):937-941, Singapore.
- viii) **Ajayi A.O.**, Olajubu, E.A., Ninan, D.F., Akinboro, S.A., and Soriyan, H.A. (2010). Development and Testing of a Graphical FORTRAN Learning Tool for Novice Programmers. *Interdisciplinary Journal of Information, Knowledge, and Management*, 5: 277-291, USA.
- ix) **Ajayi, A.O.**, Aderounmu, G.A., and Soriyan, H.A. (2010). An Adaptive-Fuzzy Information Retrieval Model to Improve Response Time Perceived by E-Commerce Clients. *Expert System with Applications*, 37(1): 82-91, Netherlands.
- x) **Ajayi, A.O.**, Aderounmu, G.A., Soriyan, H.A, and Davids A. (2010). An Intelligent Quality of Service Brokering Model for E-Commerce. *Expert System with Applications*, 37(1): 816-823, Netherlands.
- xi) **Ajayi A.O.**, Soriyan, H.A., and Aderounmu, G.A. (2009). A Fuzzy Semantic Information Retrieval System for Transactional Applications. *Data Science Journal*, 8: 233-242, Japan.
- xii) E. A. Olajubu, S. B. Afolabi and **A. O. Ajayi**. (2009). A Customized e-Shopping System for SMEs in Developing Countries: Cases from the sub Saharan Desert of Africa. *Journal on Advances in ICT for Emerging Regions*, 2 (2): 38 – 46, Sri Lanka.
- xiii) **Ajayi, A.O.**, Soriyan, H.A., Gampo, I.P., and Ajayi, E.A. (2008). A Mobile Based Decision Support System for Alternative Therapy. *Ife Journal of Science*, 10(1): 385-390, Nigeria.
- xiv) Akanbi, C.O., Adagunodo, E.R., and **Ajayi, A.O.** (2008). A Performance Evaluation of the Mobile Agent and Remote Method Invocation Model in E-Learning Courseware System Collaboration. *Computer Science & Its Application*, 15(2): 38-46, Nigeria.
- xv) **Anu Ajayi**, Adesola Aderounmu, and Abimbola Soriyan. (2008). Improving the Response Time of Online Buyers in Nigeria: The way forward. *Journal of Internet Banking and Commerce*, 13(1), 1-10, Canada.
- xvi) **Ajayi A.O.**; Adagunodo E.R, and Aderounmu G.A (2007). An Object Oriented Approach to Crafting an Interpreter: Yoruba Language as a Case Study. *Journal of Computer Science and its Application*, 14(2): 60-72, Nigeria.
- xvii) Adetunji, A.R., **Ajayi, A.O.**, and Aderounmu, G.A. (2007). An Object Oriented Programming Approach to Simulation of a Quantitative Output of Tantalum Compound from Tantalum/Niobium Solvent Extraction Circuit, *Ife Journal of Technology*, 16(2):49-56, Nigeria.

- xviii) **Ajayi, A.O** and Adagunodo, E.R. (2004): The Model of a Subset Interpreter for the Yoruba Language. *Science Focus- An International Journal of Biological and Physical Sciences*, 7: 120 – 130, Nigeria.

5. Edited and Refereed Conference Proceedings

- xix) **A.O. Ajayi**, G.A. Aderounmu, E.A. Olajubu, and Bello S.A. (2011). Simulation of a Fuzzy Logic Based Quality of Service Broker Model Using Simulink, *IEEE Conference on Fuzzy Systems and Neural Computing*, Hong Kong, pp. 230-233. China.
- xx) **Ajayi, A.O.**, Olajubu, E.A., Akinboro, S.A, and Aderounmu, G.A. (2009). Using Simulink as Teaching Aids for Learning Text-based Programming. In proceedings of the Faculty of Technology National Conference, Nov., 17-19, OAU, Ile-Ife, pp. 103-113. Nigeria.
- xxi) Akinboro S.A., Olajubu E. A., **Ajayi A.O.**, Ogundoyin I. K., and Olaniyan O.M. (2009): A Conceptual Design of a Computational Model for Adaptive Communication Channel Estimation. In: *Proceedings of the 4th International Conference on Application of ICTs to Teaching, Research & Administration*, Sep. 28-30, OAU, Ile-Ife, 4, 173-177. Nigeria.
- xxii) Famutimi R.E., Soriyan H. A., **Ajayi A.O.**, and Ayangbekun O.J (2009): Software Migration from Proprietary to Open Source Platform. Contending issues and Future Trend. In: *Proceedings of the 4th International Conference on Application of ICTs to Teaching, Research & Administration*, Sep.28-30, OAU, Ile-Ife, 4, 121-126. Nigeria.
- xxiii) Omotosho L. O., Soriyan H. A., Akanbi C. O., **Ajayi A.O.**, Famutimi R. F., and Achimugu P. O. (2009). An Agent-Based Architecture for Elderly Home Care Health Delivery Systems. In: *Proceedings for International Conference on Mobile e-Services*, LAUTECH, Ogbomosho, 27th -29th Oct. Vol. 2: pp. 16, ISBN: 978-2902-43-8. Nigeria.
- xxiv) Soriyan, H.A., **Ajayi A.O.**, and Ikono, R.N. (2008). Software Migration from Client-Server to Web-Enabled Architecture- MINPHIS a critical assessment. In: *Proceedings of the 11th IFIP-WG 9.4. Conference*, Pretoria, Sep. 23-24. South Africa.
- xxv) Sanni M.L., Aderounmu, G.A., Bello, S.A., and **Ajayi, A.O.** (2007): An Improved Packet Resequencing Model for Selective Repeat Request Protocol in Data Communication Networks. *12th IEEE Symposium on Computers and Communications*, July 1-4, Aveiro, pp. 375-380, Portugal.
- xxvi) **Ajayi, A.O**; Soriyan, H.A; Ikono, R.N; Afolabi, A.O.; Alexander, B; and Makola, D (2007). Software Product Lines concepts and Model-Driven Engineering Application to Healthcare: MINPHIS as case study. *International Working Conference on Health Informatics in Africa*, Jan. 9-12, Bamako, Mali.
- xxvii) Soriyan, H.A; **Ajayi, A.**; Ijagbemi S.B; Fatusi, A; and Korpela, M. (2007). The context of MINPHIS development and deployment in Nigeria, *International Working Conference on Health Informatics in Africa*, Jan. 9-12, Bamako, Mali.
- xxviii) **Ajayi A.O.**, Adagunodo E.R., and Aderounmu, G.A. (2005): The Relevance of Local Dialects to ICT Advancement in Developing Countries: Yoruba Language as Case Study. In: *Proceedings of the 8th IFIP-WG 9.4. Conference*, May 26-28, Abuja, pp.386-394. Nigeria.
- xxix) **Ajayi A.O.** (2005): Agent-based Student Advisor System. In: *Proceedings of the 1st International Conference on Application of ICTs to Teaching, Research and Administration*, March 7-9, OAU, Ile-Ife, pp. 34-42. Nigeria.
- xxx) **Ajayi A.O.** and Olajubu E.A. (2005): A Multi-tier Architecture for the University Bursary Section Applications Development and Deployment to the Web. In: *Proceedings of the 1st International Conference on Application of ICTs to Teaching, Research & Administration*, March 7-9, OAU, Ile-Ife, pp. 78-85. Nigeria.

- xxxii) **Ajayi A.O.**, Aderounmu G.A., and Adigun, M.O. (2005): A Genetic Based Mobile Agent for Results Retrieval in Higher Institutions of Learning. In: Proceedings of 3rd the International Conference on Education and Information Systems: Technologies and Application, July 14-17, Orlando, Florida, pp. 67-71, USA.
- xxxii) **Ajayi A.O.**, Aderounmu G.A., and Adigun, M.O. (2004): Web-based Expert System for Property Valuation Using Mobile Agent Technology. In: Proceedings of the International Conference on Artificial Intelligence and Soft Computing (IASTED), November 22-24, St Thomas US Virgin Islands, pp. 26-31. USA.

6. Creative Work:

- (i) Development of the software architecture for the Nongoma Arts & Crafts E-Commerce project. Centre for E-Mobile Services, University of Zululand, South Africa.
- (ii) Development of a Window-based Examination Processing Package and exhibited at the 2nd Nigeria Universities Research & Development Fair. Abuja.

PROFESSIONAL SERVICE

Reviews for Peer-reviewed and Refereed Publications:

- (i) Reviewer, Informing Science+ Information Tech. Education Conference, June 2011, Novi Sad, Serbia.
- (ii) Reviewer, International Board of Reviewers of the IⁿSITE 2012 Conference
- (iii) Reviewer,, International Board of Reviewers of the IⁿSITE 2011 Conference
- (iv) Reviewer, 5th International Conference on ICT Applications, University of Jos, Jos, 2010.
- (v) Reviewer, Data Science Journal, Japan.
- (vi) Reviewer, Journal of Information Extraction from the Internet, iConcept Press, Australia.
- (vii) Reviewer, Journal of Applied Soft Computing, Elsevier Science Publishers
- (viii) Reviewer, Journal of Computer Science & Its Application, Nigeria (2008/2009).
- (ix) Reviewer, Informing Science+ Information Tech. Education Conference, June 2010, Cassino, Italy.
- (x) Reviewer, International Conference on Society and Information Technologies, April, 2010, Orlando, Florida, USA.
- (xi) Reviewer, International Conference and Workshop on Software Engineering and Intelligent Systems, 2010, Covenant University, Ota, Ogun State, Nigeria.
- (xii) Reviewer, 1st Faculty of Technology OAU National Conference, Obafemi Awolowo University, Ile-Ife (Nov, 2009).
- (xiii) Reviewer, 4th International Conference on ICT Applications, Obafemi Awolowo University, Ile-Ife (Sept, 2009).

PROFESSIONAL ACCOMPLISHMENT

- (i) Developed an Interpreter (computer program) for the Yoruba language.
- (ii) Designed the Software Architecture (Model) for the Nongoma Arts and Crafts E-Commerce project, University of Zululand, South Africa.
- (iii) Developed an improved quality of service model that optimally managed computing and network resources to improve perceived response time of users.
- (iv) Won the MIT Empowering the Teachers programme fellowship for outstanding young lecturers from the disciplines of Computer Science, Computer Engineering, and Electronics and Electrical Engineering in Nigerian Universities, funded by Total and Google.

CONFERENCES and WORKSHOPS ATTENDED WITH DATES

1. 15th National Conference of COAN, International Conference Centre, Abuja, Nigeria (INFOCOM '99 - Information and Communications Technology: Principles, Methods and Practice), June 23-25, 1999.
2. Web-Based Co-Curriculum Development Workshop, Organized by Distance Learning Centre, Obafemi Awolowo University, Ile-Ife, Nigeria, June 18-25, 2003.
3. Web-Based Co-Curriculum Development Workshop, Organized by Carnegie/Linkages section, University of Jos, Nigeria, November 21-23, 2003.
4. Writer's Workshop on Executive MBA Programme at Micom Golf Course, Ada, Osun State, Nigeria. January 28-30, 2004.
5. The 1st International Conference on Application of Information Communication Technologies to Teaching, Research and Administration (AICTTRA 2005), Ile-Ife, Nigeria, March 7-9, 2005.
6. The 2nd International Conference on Application of Information Communication Technologies to Teaching, Research and Administration (AICTTRA 2007), Ile-Ife, Nigeria, September 23-27, 2007.
7. The INDEHELA Annual Project Meeting, University of Kuopio, Finland. August 9-10, 2007.
8. Annual Conference for Information Systems Researchers and Ph.D. students, University of Tampere, Finland. August 11-14, 2007.
9. The 3rd International Conference on Application of Information Communication Technologies to Teaching, Research and Administration (AICTTRA 2008), Ile-Ife, Nigeria, September 21-25, 2008.
10. Blackburn Learning Management Software User Train-the-Trainer Workshop. Organized by STEP B Project, Obafemi Awolowo University, Ile-Ife, Nigeria, April 1-2, 2009.
11. The 4th International Conference on Application of Information Communication Technologies to Teaching, Research and Administration (AICTTRA 2009), Ile-Ife, Nigeria.
12. Collaborative Proposal Writing Workshop I. Organized by the Finish Government, University of Koupio, Finland, August 10-20, 2009.
13. Collaborative Proposal Writing Workshop II. Organized by the Finish Government, Obafemi Awolowo University, Ile-Ife, Nigeria, November 2-11, 2009.
14. The 1st Faculty of Technology OAU National Conference, Obafemi Awolowo University, Ile-Ife, November 17-19, 2009.
15. Telemedicine Evaluation Workshop, Organized by the National Space Research and Development agency (NASRDA), Federal Ministry of Science and technology, University College of Medicine Auditorium, UCH-Ibadan, February 22-23, 2010.
16. 23rd National Conference of Nigeria Computer Society in Realising a Stable Democratic Political System in Nigeria: IT Tools and Strategies (RESDEMIT 2010), Orchid Hotel, Asaba, Delta State, Abuja, July 26-30, 2010.
17. Computer Professionals of Nigeria- Modularisation Workshop, Protea Hotel, Lagos, September 20th- 23rd, 2010.

RESEARCH ACTIVITIES

Image Processing, Pattern Recognition, Information Technology, Information Systems, and Natural Language Processing.