Curriculum Vitae

1. **Full name and date**
   - AFOLABI
   - Adekunle Oluseyi
   - Researcher ID: (ORCID: 0000-0003-4446-598X)
   - 18/05/2023

2. **Degrees**
   - 19/09/2019: Ph.D. Computer Science. University of Eastern Finland, Kuopio Finland
   - 27/08/2008: MSc. Computer Science, Obafemi Awolowo University Ile-Ife Nigeria, ,The Registrar Obafemi Awolowo University, Ile-Ife Nigeria, registra@oauife.edu.ng, +234 36230290-9

   - 11/07/2000: BSc, Computer Science, Obafemi Awolowo University Ile-Ife Nigeria, The Registrar Obafemi Awolowo University, Ile-Ife Nigeria, registra@oauife.edu.ng, +234 36230290-9

3. **Other education and Expertise**
   - 2020 CIFAR Deep Learning + Reinforcement Learning Summer School, Montreal Canada, August 3-7, 2020 (**attended virtually**)

   - Dagstuhl Seminar 16371 on Public-Key Cryptography. Schloss Dagstuhl, Germany. September 11 – 16, 2016

   - INDEHELA-Exchange (North-South-South Network Programme): University of Eastern Finland, Kuopio. September – November, 2013.

   - Intensive Course on Information System Analysis and Design in Health Care: Obafemi Awolowo University, Ile-Ife Nigeria May 29- June 2, 2011.

   - Theory and Application of Constrained-Based Modeling including Human-Computer Interaction (HCI) by Dr. Richard Wallace, Cork Constraint Computation Centre University College Cork, Republic of Ireland: Obafemi Awolowo University, Ile-Ife Nigeria August 8-19, 2011
   - Advanced Technology Training in Software Development, Technical Development Options, Primary Health Care Information System and Postgraduate Research Planning: University of Kuopio, Finland, February 2006

4. **Language skills**
   - Native Language: Yoruba
   - English: Official Language of instructions from High school to university. (IELTS, Overall Band of 8.0)
   - German (moderate)
   - Finnish (Beginner)

5. **Current Job**

- 01/10/2022- Date: Senior Lecturer. Obafemi Awolowo University. Department of Computer Science and Engineering. (Teaching and Research)

6. **Previous work experience**
- 2003-2010 - Senior System Programmer, Obafemi Awolowo University Ile-Ife Nigeria
- 2001-2003 - Programmer/Analyst, INDEHELA project Obafemi Awolowo University Ile-Ife Nigeria, (Hospital software development, implementation and maintenance.)
- 2000-2001 - National Youth Service 2000-2001, non-military service.
- 2011 – Sept 2019: Assistant Lecturer. Obafemi Awolowo University. Ile-Ife Nigeria (Teaching and Research)
- 16/09/2019- 30/09/2022: Lecturer I. Obafemi Awolowo University. Department of Computer Science and Engineering. Sept 2019-Date. (Teaching and Research)
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7. **Career Break**
None

8. **Research funding and grants**
- Co-PI: Development of an Indigeneous Multiplatform/Multilingual Digital Animation System for Nigerian Children (GreenCartoon) – National Research Fund ($86000)- (2022-2024)
- Co-PI: Multilingual Electronic Point of Sale System for Small Medium Enterprises in Nigeria – National Research Fund (2023-2025)
- Co-PI: AI-Driven Text2Sign-Sign2Text System for Inclusive Communication for Pupils with Hearing Impairment. Artificial Intelligence for Education Innovation Research Network in Africa. IDRC (2023-2025)

9. **Research Output**

- 15 publications

10. **Research Supervision and Leadership Experience**
- Supervision of undergraduate students: Department of Computer Science and Engineering Obafemi Awolowo University, Ile-Ife Nigeria, 2011(4 students), 2012 (4 students), 2013(4 students), 2021 (4 students), 2022 (7 students).

11. **Teaching Merits**
- curriculum planning in Health Informatics: Information Use and Ethics, 6hours, certificate Course, 2 weeks
- Curriculum development for BSc Information Systems

12. **Awards, prizes and honours**

- **CIFAR Exclusive AI Scholarship**, 2023
- **4th Heidelberg Laureate Forum** for Young Researchers and Scientists, Heidelberg, Germany, **September 18 – 23, 2016**

- Researcher participation award for the presentation of a research project of high standard and with relevance to national development, Nigerian Universities Research and Development Fair Abuja, 2004, 2005.

13. **Other academic merits**
    - Member International Board of Reviewers, INSITE Conference, 2011-2013, 2019, 2020
    - Member Program Committee, British Computer Society 27TH International Human Computer Interaction Conference, 2013 , 2016
    - Reviewer Journal of Big Data
    - Reviewer IEEE Access
    - Member International Board of Reviewers of theJournal of Information Technology Education: Innovations in Practice (JITE:IIP)
    - Reviewer Journal of Health Informatic in Africa (JHIA)
    - Nigeria Computer Society (Member)
    - Computer Professionals Association (Member)

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14. **Academic Referees**

Prof. Pekka Toivanen
University of Eastern Finland, Kuopio
School of Computing
pekka.toivanen@uef.fi
+358405439021

Prof Ayodeji Oluwatope
Obafemi Awolowo University, Ile-Ife
Department of Computer Science and Engineering
aoluwato@oauife.edu.ng
+2348035962506

List of publications

A. Peer-reviewed scientific articles

Journal articles (refereed)

(i) Ninan, O.D., Aládé, S.M., Olúfokùnbí, K.C., **Afọlábí, A.O**., Ẹlẹ́sẹ̀moy, I.O., Ọdéjọbí, Ọ.A. (2022). Digital Animation of African Folktales: A Perspective from Yorùbá Experiments. In: Ekpenyong, M.E., Udoh, I.I. (eds) Current Issues in Descriptive Linguistics and Digital Humanities. Springer, Singapore. https://doi.org/10.1007/978-981-19-2932-8_41

(ii)　　**Afolabi, A. O.**, & Toivanen, P. (2020). Harmonization and Categorization of Metrics and Criteria for Evaluation of Recommender Systems in Healthcare From Dual Perspectives. *International Journal of E-Health and Medical Communications (IJEHMC)*, *11*(1), 69-92.

(iii)　　**Afolabi, A. O**., & Toivanen, P. (2019). Improving the design of a recommendation system using evaluation criteria and metrics as a guide. *Journal of Systems and Information Technology*, 21(3):304-324

(iv)　　**Afolabi, A. O**., & Toivanen, P. (2019).Integration of Recommendation Systems into Connected Health for Effective Management of Chronic Diseases. IEEE Access, 7(1), pp. :49201 – 49211 .

(v)　　**Afolabi A.O**., Toivanen P. (2019). Designing an Integrated Platform for Real-Time Recommendations Sharing among the Aged and People Living with Cancer. *International Journal of Computer and Information Engineering*. World Academy of Science, Engineering and Technology, 13(4), 235-239

(vi)　　**Afolabi, A. O**., & Toivanen, P. (2018). Recommender Systems in Healthcare: Towards Practical implementation of Real-Time Recommendations to Meet the Needs of Modern Caregiving. In *Handbook of Research on Emerging Perspectives on Healthcare Information Systems and Informatics* (pp. 323-346). IGI Global.

(vii)　　**Afolabi, A. O**., Toivanen, P., Haataja, K., & Mykkänen, J. (**2015**). Systematic Literature Review on Empirical Results and Practical Implementations of Healthcare Recommender Systems: Lessons Learned and a Novel Proposal. *International Journal of Healthcare Information Systems and Informatics (IJHISI)*, *10*(4), 1-21.

(viii)　　**Afolabi A.O**. Soriyan H.A., Mykkänen J, Toivanen P, Korpela M (**2017**) : A Viable Architecture for the Integration of a Recommender System and Mobile Counselling system for the Management of Chronic Illnesses and Stigma-Related Infections*. Journal of Health Informatics in Africa*, *4*(2).

(ix)　　**Afolabi A.O. (2010):**Building a Computer-BasedPrimary Health Care Information System in Nigeria based on Correct Requirements. *International Journal of Computer Science and its Applications, Nigeria*, 17(1), pp 58-68

Conference proceedings (refereed)

(i) Iyanda A.R, **Afolabi A.O**, Ninan O.D. Ilori M.O.(2022). Development of a Multilingual Electronic Point of Sales System in Nigeria. In Proceedings of OAU Faculty of Technology Conference. Feebruary 6-10

(ii) **Afolabi A.O**., Toivanen P. (**2019**). Designing an Integrated Platform for Real-Time Recommendations Sharing among the Aged and People Living with Cancer.ICISD 2019: International Conference on Information Systems Development" held on Apr 24-25, 2019 in London, United Kingdom, pp.1463-1467

(iii)**Afolabi A.O.,** Soriyan H.A, J Mykkänen J, Toivanen P, Korpela M**. (2014):** A Viable Architecture for the Integration of a Recommender System and Mobile Solution for the Management of HIV/AIDS. HELINA 2014 Conference, Ghana. March 7-11, 2015

(iv) Ikono R, Soriyan H, Fatusi A, Ijagbemi B**, Afolabi A** (2006): Community Networking in MINPHIS Development. Community Informatics for Developing Countries conference (CDIC) 2006. Cape Town South Africa. August 31-September 2

(v) Soriyan H.A, **Afolabi A.O**., Fatusi A., Korpela M., Akinde A.D. (2005): Development of a Computer-Based PHC Management System: Towards a Holistic System. *8th International Working Conference of International Federation for Information Processing*   FIP WG 9.4, Abuja, Nigeria, 26-28 May.

(vi) Soriyan H.A, Oluwaranti O.A, **Afolabi A.O**., Ikonno R.N, Mursu A., Korpela M.J. (2005): Nigerian University Software Development Training: From Building Walls to Building Bridges. *8th International Working Conference of International Federation for Information Processing* IFIP WG 9.4, Abuja, Nigeria, 26-28 May.

B. Non-refereed scientific articles

(i) **Afolabi A.O**, Ijagbemi B. (2007): Building an effective and reliable information system for primary health care in Nigeria based on appropriate requirements. HELINA 2007, Bamako, Mali January 9-12

(ii) Ajayi A.O, Soriyan H.A., Ikono R.N., **Afolabi A.O**., Alexander B., Makola D. (2007): **Software Product Lines concepts and Model-Driven Engineering Application to Healthcare:** MINPHIS as case Study. HELINA 2007, Bamako, Mali January 9-12

C. Scientific books (monographs)

Book

Afolabi A. O. (2013) Requirements Specifications for primary Health Care Information Systems. *Lap Lambert Academic Publishing, Germany.ISBN: 978-3-659-36135-7*

D. Publications intended for professional communities

Published development or research report

Afolabi A.O. (2004):MINPHIS: Improving Patient Data in a Nigerian Hospital. eGovernment for Development *eHealth Case Study.* The "eGovernment for Development Information Exchange" University of Manchester's Institute for Development Policy and Managementhttp://www.egov4dev.org/health/case/minphis.shtml

E. Publications intended for the general public, linked to the applicant's research

F. Public artistic and design activities

Thicker Than Blood (short Story) in theSpeaking for the Generations- an Anthology of Contemporary African Short Stories (Edited by Dike Okoro). Africa World Press Inc. Trenton NJ, USA (2010)

G. Theses

Afolabi A.O. (1999): Design and Development of Pharmacy Inventory System, Unpublished B.Sc. Thesis, Obafemi Awolowo University, Ile-Ife, Nigeria.

Afolabi A. O. (2008): Requirements Specification Using Activity Analysis Design Framework for Primary Health Care Information System in Ife Central Local Government Nigeria. Unpublished M.Sc. Thesis, Obafemi Awolowo University, Ile-Ife, Nigeria.

Afolabi A. O. (2019): Real-Time Recommendations in Healthcare: Designing forthe Aged and Chronically Ill People. Dissertations in Forestry and Natural Sciences. Publications of the University of Eastern Finland No 347. ISBN: 978-952-61-3144-3