CURRICULUM VITAE: Dr. JAMES SAMWEL CHAMBUA

Name	James Samwel Chambua
Current Organisation/ employer	University of Dar-es-Salaam, Tanzania
Position	Lecturer - Computer Science and Engineering Department
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Citizenship	Tanzanian

Positions held
1) Lecturer, University of Dar-es-Salaam,   June 2019 - To date
2) Assistant Lecturer, University of Dar-es-Salaam,   Nov, 2009 – June, 2019
3) Tutorial Assistant, University of Dar-es-Salaam,   Feb, 2006 – Nov, 2009

Education and Training

Year	Qualification	Subject/Area	University / Awarding Body
2014 - 2019	PhD Computer Science	Design & implementation of machine learning algorithms	Beijing Institute of Technology, China.
2006 - 2009	MSc in Computer Science	Localization of Open Source Software	University of Dar-es-Salaam, Tanzania.
2001 - 2004	BSc with Computer Science	Informatics, Statistics & Economics	University of Dar-es-Salaam, Tanzania.

Consultancy / Project Works
Position: Researcher **July – September, 2020**
Ministry of Finance and Planning, URT
Tasks:
- Assessment of the adoption, usefulness and analysis of the Government electronic Payment Gateway (GePG) performance in enhancing Non-Tax Revenue collection.
- Designing data collection instruments, performing data analysis and report writing.

Position: Machine Learning Expert **March 2019 - June, 2020**
National Key Research and Development Project 2019YFB1406302 (China)
Tasks:
- Responsible with Professional content knowledge aggregation service technology for research, development and innovative service demonstration.
- Big data analysis focusing on organizing knowledge and disseminate it to users.

Position: Plugins Trainer, **March – April, 2019**
National Key Research and Development Project 2019YFB1406302 (China)
Tasks:
- Responsible with training project members on how to develop Java based Add-ons to facilitate software Refactoring

Position: Developer / Trainer   **January – June, 2019**
e-Learning Project – Beijing Institute of Technology
Tasks:

-   Responsible with Integrating the automated tutoring system with the e-Learning for the Beijing Institute of Technology

Position: Developer / Researcher   **April, 2017 – June, 2019**
e-Learning Project – Beijing Institute of Technology
Tasks:
-   Design and Implementing a machine learning algorithm for a tutoring system
-   Developing a tutoring system & App

Position: Programmer   **Sept, 2009 – Dec, 2012**
Tanzania Human Resource Project (THRP), Dar-es-Salaam (Tanzania)
Tasks:
-   Tasked to develop and customize a Human Resource Software for the Prime Minister's Office Regional and Local Government (PMO-RALG).

Position: Research Assistant   **Sept, 2004 – June, 2008**
Kilinux Project – Swedish International Development Agency, Dar-es-Salaam (Tanzania)
Tasks:
-   Customized and translated Open Office 3.1 and Mozilla Firefox to Kiswahili
-   Developed Tux Koti la Rangi (Kiswahili Painting App for kids)

Position: Researcher **July – September, 2004**
University Computing Center
Tasks:
-   Conducting User acceptance test (UAT) for Local Government Management Database (LGMD); Assessing the performance and security risks of the LGMD

Publications
1. **James Chambua**, Zhendong Niu (2020) Review Text Rating Prediction Approaches: Preference Knowledge Learning, Representation and Utilization [J]. Artificial Intelligence Review, https://doi.org/10.1007/s10462-020-09873-y (SCI)
2. Yifan Zhu, Hao Lu, Ping Qiu, Kaize Shi, **James Chambua**, Zhendong Niu (2020) Heterogeneous teaching evaluation network based offline course recommendation with graph learning and tensor factorization [J] Neurocomputing, Volume 415, 20 November 2020, Pages 84-95
3. **James Chambua**, Zhendong Niu, Abdallah Yousif, Jimmy Mbelwa, (2018) Tensor Factorization Method based on Review Text Semantic Similarity for Rating Prediction [J]. Expert Systems with Applications, 114, 629-638. (SCI)
4. **James Chambua**, Zhendong Niu, Yifan Zhu, (2019) User Preferences Prediction Approach based on Embedded Deep Summaries [J]. Expert Systems with Applications, 132, 87-98. (SCI)
5. Zhu Yifan, **James Chambua**, Hao Lu, Kaize Shi, Zhendong Niu (2019) An Opinion based cross- regional meteorological event detection model [J]. Weather, 74(2), 51-55. (SCI)
6. Abdallah Yousif, Zhendong Niu, **James Chambua**, Zahid Younas Khan (2019) Multi-Task Learning Model based on Recurrent Convolution Neural Networks for Citation Sentiment and Purpose Classification [J]. Neurocomputing, 335(2), 195-205. (SCI)