

JECHA S. JECHA  
Curriculum Vitae

PhD Student in Educational Technology, Southwest University, Chongqing, China  
Assistant Lecturer, Faculty of Science, Zanzibar University, Zanzibar, Tanzania  
Email: [jecha@zanvarsity.ac.tz](mailto:jecha@zanvarsity.ac.tz) | [jechasulieman@gmail.com](mailto:jechasulieman@gmail.com)  
Phone: +86 193 3291 4873 (China) | +255 776 752 905 (Tanzania)  
WeChat: Jecha\_Jecha  
ORCID: <https://orcid.org/0000-0002-7784-0994>  
Google Scholar: [https://scholar.google.com/citations?user=Hx\\_X6f8AAAAJ](https://scholar.google.com/citations?user=Hx_X6f8AAAAJ)  
Web: <https://goalpath.site>

## EDUCATION

PhD in Educational Technology, Southwest University, Chongqing, China  
(Sept 2024 - July 2028).

Master of Industrial Design Engineering, Zhejiang University, China  
(Sept 2021 - Mar 2024).

BSc in Information Technology with Education, Zanzibar University, Tanzania  
(Nov 2013 - Aug 2016).

Diploma in Business Information Technology, Zanzibar University, Tanzania  
(July 2012 - July 2013).

## ACADEMIC & PROFESSIONAL APPOINTMENTS

Assistant Lecturer, Faculty of Science, Zanzibar University  
(July 2017 - present). Lecturing, supervising tutorials/seminars/practicals,  
research and consultancy, examinations, and faculty administration.

Researcher and IT Administrator, Zanzibar Research Centre for Socio-Economic  
and Policy Analysis (ZRCPP) (Sept 2019 - May 2023).

Administrative Officer, Faculty of Science, Zanzibar University  
(Sept 2016 - July 2017).

Teacher and IT Technician, Bwejuu Charity School (Feb 2011 - Sept 2012).

## RESEARCH INTERESTS

AI in Education; AI Adoption in Higher Education; Self-Regulated Learning;  
Educational Technology; Human-AI Interaction; Human Factors and Ergonomics.

## SELECTED PUBLICATIONS

Nyagoga, L. M., Mapunda, E. J., Shirima, M. J., Jecha, J. S., Nicodemus,  
M. W., & Adarkwah, M. A. (2026). Beyond skepticism: Question marks  
surrounding AI and AIED policies in Africa. *Computers and Education Open*,  
10, 100370.

Jecha, J., Igwean, C. C., & Banaras, A. (2026). Generative AI and Adaptive  
Systems for Customising Help-Seeking Scaffolds: A Systematic Review.  
Preprint, Research Square.

Jecha, J., & Nassor, H. (2026). Navigating the Future: Assessing the Impacts  
and Challenges of AI Integration in Higher Education Institutions in  
Zanzibar. Preprint, Research Square.

Jecha, J., Ali, A., & Mussa, A. (2026). When Readiness Doesn't Lead to  
Adoption: A TOE-TAM Analysis of AI-Enabled HR Digitalization in a

Resource-Constrained SIDS. Preprint, Research Square.

Walusimbi, P., Hui, Y. C., Mengru, X., & Jecha, J. S. (2025). The Interaction Design of Registration Machines. AHFE International.

Rafique, S., Jecha, J. S., & Lyu, H. (2023). Evaluation of Ergonomic Needs Among Female Sewing Machine Operators in Garments Industry of Bangladesh. AHFE International.

Full list: <https://orcid.org/0000-0002-7784-0994>

#### AWARDS & RECOGNITION

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2025 International Students' Excellent Academic Paper Award.  
2021 Culture from Afar - International Charity Digital Arts Exhibition.  
2020 FIRST EDU Transfer - ADLX, NAMA Foundation.  
2018 Competence-Based Education and Training curriculum workshop, NACTE.

#### CONSULTANCY & SERVICE

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2024 UNCDF study - Inclusive Digital Economy Scorecard (IDES) and Zanzibar Digital Transformation Policy (with the Ministry of Infrastructure, Communication and Transport and ZRCP).  
2023 Transition of the Jamii ni Afya digital health program to the Government of Zanzibar (with D-tree International and ZRCP).  
2018-2019 Curriculum development and review panels, Zanzibar University.

#### SKILLS

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Research design, writing and publication, policy analysis, research training; AI in education and AI training for academics; ergonomics and industrial / interaction design. Languages: Swahili (native), English (fluent), Chinese (working proficiency).