

Hawau Olamide Toyin

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Research Interest

AI for Stuttered Speech; Speech Recognition; Speech Generation; Efficient, Multilingual and Multimodal NLP
Languages: Yoruba, English, French (A2), Arabic (A1)

List of Publications

* - *equal contribution*

Aligning Stuttered-Speech Research with End-User Needs: Scoping Review, Survey, and Guidelines *Under review*

Hawau Olamide Toyin, Mutiah Apampa, ..., Zeerak Talat, Zhengjun Yue, Hanan Aldarmaki

What Counts as an Error? Dual-Reference Benchmarking for Atypical ASR *Under review*

Hawau Olamide Toyin, Srinivasan Umesh, Hanan Aldarmaki

Are LLMs Good Text Diacritizers? An Arabic and Yoruba Case Study LREC 2026 [🔗](#)

Hawau Olamide Toyin, Samar Magdy, Hanan Aldarmaki

Gretino: a Greek and Latin Dataset to Benchmark Retrieval Systems in Classical Languages LREC 2026 [🔗](#)

Hawau Olamide Toyin, Federico Iezzi, Elia Scapini, Giulio Federico, Giovanni Puccetti

Voice of a Continent: Mapping Africa's Speech Technology Frontier EMNLP 2025 [🔗](#)

AbdelRahim A. Elmadany, Sang Yun Kwon, Hawau Olamide Toyin, ..., Muhammad Abdul-Mageed

ArVoice: A Multi-Speaker Dataset for Arabic Speech Synthesis Interspeech 2025 [🔗](#)

Hawau Olamide Toyin, Rufael Fekadu Marew, Humaid Alblooshi, Samar Magdy, Hanan Aldarmaki

Clinical Annotations for Automatic Stuttering Severity Assessment Interspeech 2025 [🔗](#)

Anna Rita Valente, Rufael Fekadu Marew, Hawau Olamide Toyin, ..., Hanan Aldarmaki

All languages matter: Evaluating llms on culturally diverse 100 languages CVPR 2025 [🔗](#)

Ashmal Vayani, Dinura Dissanayake, ..., Hawau Olamide Toyin, ..., Fahad Shahbaz Khan

Dialectal Coverage and Generalization in Arabic Speech Recognition ACL 2025 [🔗](#)

Amirbek Djanibekov*, Hawau Olamide Toyin*, Raghad Alshalan, Abdullah Alitr, Hanan Aldarmaki

Where are we? Evaluating LLM performance on African languages ACL 2025 [🔗](#)

Ife Adebara, Hawau Olamide Toyin, ..., Muhammed Abdul-Mageed

Infant Cry Detection Using Causal Temporal Representation ICASSP 2025 [🔗](#)

Minghao Fu, Danning Li, ..., Hawau Olamide Toyin, Haiyan Jiang, Kun Zhang, Hanan Aldarmaki

Exploring the Limitations of Detecting Machine-Generated Text COLING 2025 [🔗](#)

Jad Doughman, Osama Mohammed Afzal, Hawau Olamide Toyin, Shady Shehata, Preslav Nakov, Zeerak Talat

STTATTS: Unified Model for Speech-to-Text and Text-to-Speech EMNLP 2024 Findings [🔗](#)

Hawau Olamide Toyin, Hao Li, Hanan Aldarmaki

PolyWER: A Holistic Evaluation Framework for Code-Switched Speech Recognition EMNLP 2024 Findings [🔗](#)

Karima Kadaoui, Maryam Ali, Hawau Olamide Toyin, Ibrahim Mohammed, Hanan Aldarmaki

ArTST: Arabic Text and Speech Transformer ArabicNLP @ EMNLP

Hawau Olamide Toyin*, Amirbek Djanibekov*, Ajinkya Kulkarni, Hanan Aldarmaki 2023 [🔗](#)

Shared Tasks

NADI 2025: The First Multidialectal Arabic Speech Processing Shared Task ArabicNLP 2025 [🔗](#)

Bashar Talafha, **Hawau Olamide Toyin**, ..., Muhammad Abdul-Mageed
Iqra'Eval: A Shared Task on Qur'anic Pronunciation Assessment
Yassine El Kheir, Amit Meghanani, **Hawau Olamide Toyin**, ..., Ahmed Ali

[ArabicNLP 2025](#) 

Education

Mohamed Bin Zayed University of Artificial Intelligence *PhD in Natural Language Processing* Aug 2024 – present
Mohamed Bin Zayed University of Artificial Intelligence *MSc in Machine Learning* Aug 2022 – Jun 2024

- Thesis: **STTATTS: Unified Model for Speech-to-Text and Text-to-Speech** (EMNLP 2024)

Experience

Visiting Researcher *ISTI CNR* *Pisa, Italy*
April 2025 – May 2025

- Co-authored Gretino: a Greek and Latin Dataset to Benchmark Retrieval Systems in Classical Languages (LREC 2026)

Winter School Researcher *SDAIA (now HUMAIN)* *Riyadh, KSA*
Dec 2024

- Co-authored Towards a Unified Benchmark for Arabic Pronunciation Assessment: Qur'anic Recitation as Case Study (Interspeech 2025)
- Co-organized Iqra'Eval: A Shared Task on Qur'anic Pronunciation Assessment (ArabicNLP 2025)

Research Associate *MBZUAI* *Abu Dhabi, UAE*
Jun - Aug 2024

- Co-authored Dialectal Coverage and Generalization in Arabic Speech Recognition (ACL 2025)

Teaching Assistant *MBZUAI* *Abu Dhabi, UAE*
Jan – May 2024

Research Assistant Intern *MBZUAI* *AbuDhabi, UAE*
May – Jul 2023

- Co-authored ArTST: Arabic Text and Speech Transformer (ArabicNLP @ EMNLP 2023)
- Won Best Paper Award for ArTST

Data Scientist *Izifin* *Lagos, Nigeria*
March – Jul 2022

Leadership and Volunteering

Program Committee *Speakable 2026 (Co-located with LREC)* Mar 2025 - present
Residential Life Assistant *MBZUAI* Aug 2025 - present
Board Member, MBZUAI Alumni Advisory Board 2024-2025
Birds of Feathers Program Co-Chair *COLING 2025* Jan 2025
Program Facilitator, AI Summer School *MBZUAI* Jul 2024
AI Training Facilitator, MBZUAI Executive Program *The Academy, MBZUAI* 2024
President, Graduate Student Council *MBZUAI* Aug 2023 - Apr 2024
Public Relations Coordinator, Graduate Student Council *MBZUAI* Sep 2022 - Aug 2023

Honors and Awards

- **Fee Waiver Recipient**, Advanced Language Processing Winter School ALPS, 2026
- **Research Fellowship Grant** from ITSERR - Italian Strengthening of the Esfri Ri Resilience - Trans-National Program, 2024
- **Inspirational Leader Award** at MBZUAI commencement, 2024
- **Best Paper Award** at ArabicNLP, 2023
- **Champion** at GITEX x Ali Baba Cloud Hackathon, 2023
- **Recipient**, United Arab Emirates Government Graduate Scholarship, 2022
- **Selected Scholar** for Cornell, Maryland, Max Planck Pre-Doctoral Research School (CMMRS), 2021