

Everlyn Asiko Chimoto

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[Google Scholar Profile](#)
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Education

Ph.D. Candidate in Applied Mathematics Jan 2022 - Present	University of Cape Town, African Institute for Mathematical Sciences, South Africa Supervisor: Prof. Bruce Bassett Dissertation: <i>Neural Machine Translation for Low-Resource Languages</i>
MSc in Mathematical Sciences Nov 2020 - Aug 2021	University of Cape Town, African Institute for Mathematical Sciences, South Africa Supervisor: Prof. Bruce Bassett Thesis: <i>Neural Machine Translation for Low-Resource Languages</i> Graduated <i>with Distinction</i>
BSc in Computer Science Sept 2015 - Dec 2019	Masinde Muliro University of Science and Technology, Kenya Supervisor: Mr. Michael Ujunju Fourth Year Thesis: <i>Accident Location Extraction Using Natural Language Processing</i> Graduated <i>with First Class Honours</i>

Publications

Chimoto Everlyn Asiko, Jay Gala, Orevaoghene Ahia, Julia Kreutzer, Bruce A. Bassett and Sara Hooker. "Critical Learning Periods: Leveraging Early Training Dynamics for Efficient Data Pruning." **In Findings of the Association for Computational Linguistics: ACL 2024**

Jacobs, C., Rakotonirina, N.C., Chimoto, E.A., Bassett, B.A., Kamper, H. (2023) Towards hate speech detection in low-resource languages: Comparing ASR to acoustic word embeddings on Wolof and Swahili. **In INTERSPEECH 2023.**

Everlyn Chimoto and Bruce Bassett. 2022. Very Low Resource Sentence Alignment: Luhya and Swahili. **In Workshop on Technologies for Machine Translation of Low-Resource Languages (LoResMT 2022).** Gyeongju, Republic of Korea.

Everlyn Chimoto and Bruce Bassett. 2022. COMET-QE and Active Learning for Low-Resource Machine Translation. **In Findings of the Association for Computational Linguistics: EMNLP 2022.** Abu Dhabi, United Arab Emirates.

Idris Abdulmumin, Michael Beukman, Jesujoba Alabi, Chris Chinenye Emezue, Everlyn Chimoto, Tosin Adewumi, Shamsuddeen Muhammad, Mofetoluwa Adeyemi, Oreen Yousuf, Sahib Singh, and Tajuddeen Gwadabe. 2022. Separating Grains from the Chaff: Using Data Filtering to Improve Multilingual Translation for Low-Resourced African Languages. **In Seventh Conference on Machine Translation (WMT).** Abu Dhabi, United Arab Emirates (Hybrid).

Experience

Apple MLR March 2024 - Present	Machine Learning and NLP Intern <i>Contributed to 1 research paper, under review at EMNLP 2024</i>
Moringa School Sept 2019 - Dec 2023	Data Science Technical Mentor <i>Successfully running 3 data science classes. Providing support and guidance to over 80 students.</i>

Participation in Academic Events

Deep Learning Indaba 2023
Accra, Ghana

Organizer: [Efficiency in African NLP @Deep Learning Indaba](#)
Practical Author: [LLMs for Everyone](#)

NLP @ COMPASS
Cape Town, South Africa

Organizer: [Workshop site](#)
Wrote proposal; Built workshop site; Moderated the workshop

AfricaNLP 2023
Kigali, Rwanda

Organizer: [Workshop site](#)
Managed mentorship program; Managed reviewers for workshop paper submissions

EMNLP 2022
Abu Dhabi, UAE

Poster Presenter
Poster Title - COMET-QE and Active Learning for Low-Resource Machine Translation

Deep Learning Indaba 2022
Tunis, Tunisia

Attendee and Tutor
Session Tutored: Introduction to Transformers

IndabaX Zimbabwe 2022
Online

Speaker
Talk Title - Combining Active And Transfer Learning For Low-Resource Machine Translation

Awards, Grants and Scholarships

2023: Full grant to attend Heidelberg Laureate Forum

2022: D&I grant to attend EMNLP

2021: AIMS Doctoral Training Fellowship awarded by Quantum Leap Africa (QLA)

2021: Paul G. Allen Family Foundation Scholarship awarded by African Institute for Mathematical Sciences

2019: Best in Data Science award by Kamilimu, a structured mentorship fellowship

2019: Best Student Computer Science award by School of Computing and Informatics, Masinde Muliro University of Science and Technology

Leadership and Community Service

Masakhane
Feb 2020 - Present

Talk and Reading Group Organizer

Plan bi-weekly reading group meet-up to review speech technology research. Also, invite speakers to speak to members of the Masakhane community. 2 speakers presented their work in April and May.

WiMLDS, Nairobi
Apr 2020 - Aug 2020

Organizer

Planned deep-dives workshop series aimed at taking community members through a real-life Data Science project.