

# Everlyn Asiko Chimoto

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[Google Scholar Profile](#)

<https://everlynasiko.github.io/>

## 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: *Neural Machine Translation for Low-Resource Languages*

### MSc in Mathematical Sciences

Nov 2020 - Aug 2021

**University of Cape Town, African Institute for Mathematical Sciences, South Africa**

Supervisor: Prof. Bruce Bassett

Thesis: *Neural Machine Translation for Low-Resource Languages*

Graduated *with Distinction*

### BSc in Computer Science

Sept 2015 - Dec 2019

**Masinde Muliro University of Science and Technology, Kenya**

Supervisor: Mr. Michael Ujunju

Fourth Year Thesis: *Accident Location Extraction Using Natural Language Processing*

Graduated *with First Class Honours*

## 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

Contributed to 1 research paper, under review at EMNLP 2024

### Moringa School

Sept 2019 - Dec 2023

### Data Science Technical Mentor

Successfully running 3 data science classes. Providing support and guidance to over 80 students.

## 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.