

SOPIKO KURDADZE

MTS Software Development Engineer @ AMD

@ E-mail: s.kurdadze99@gmail.com

📍 Helsinki, Finland

in [Sopiko-Kurdadze](#)

🔗 [CSopiko](#)

EXPERIENCE

MTS Software Development Engineer

AI Group at AMD

📅 Sep 2024 – Current

Trained LLMs (Grok via Megatron-LM; Llama-2-70B via JAX MaxText), profiled/optimized on MI300X; built an automatic GEMM bottleneck analyzer JAX/XLA (HLO) logs and profiler traces; optimized nx-ai xLSTM for MI300X; designed low-latency, high-throughput video-generation inference and serving on MI300X.

AI Engineer

Silo AI

📅 Jan 2024 – Aug 2024

Evaluated/improved multilingual RAG (EN/DE/FI/SV): embedding tuning, preprocessing/chunking+metadata, hybrid BM25+vector search with cross-encoder reranking.

Senior Data Scientist

Data Research Laboratory at Bank Of Georgia

📅 Mar 2021 – Dec 2023

Designed knowledge bases and generative chat flows; contributed to an AWS speech-analytics + search platform scaling $\sim 1000\times$; delivered Rasa-based NLU with up to 40% auto-resolution; built an intent-discovery toolkit ($>50\%$ productivity) and data-labeling platform; engineered STT streaming backends (Redis queuing \rightarrow NVIDIA Triton); led Georgia's first NLU project (language detection, transliteration, regex entities, CRF/DIET classifiers, synthetic data, BERT-style Georgian models).

TEACHING & VOLUNTEERING

Data Science Course Lecturer

Bank Of Georgia

📅 Mar 2022 – Jul 2023

Mentor and lecturer of the courses for the data science interns: "Introduction to Data Science", "Data Quality Assurance" and "Data Science"

Copyeditor/Journalist

Mdevari

📅 Feb 2023 – Feb 2025

Author's Page. Corrected grammar, spelling, and punctuation errors according to the academic rules in multiple scientific papers from various scientific disciplines written in the Georgian language

RESEARCH

Georgian OCR

📅 Mar 2022 - Sep 2022

- ts-ai-kitkhe.ge
- Collaborated with National Scientific Library
- Early printed (XIX-XX cc.) Georgian books digitalization platform
- Provided technology improved digitalization process accuracy by 30% and productivity 43%

PROJECTS

Multilingual NLU Pipeline - VoxiAI

📅 Dec 2022

- Fine-tuned LaBSE, mLUKE language models for intent classification and for entity extraction. More than 100 languages supported
- Collected and generated multilingual text data using augmentation techniques

EDUCATION

2027 **M.A. in Language Technology**
University of Helsinki

2022 **B.S. in Computer Science**
Free University of Tbilisi

WORKSHOPS

- DataFest Tbilisi 2022 workshop - "DistilBERT for language modeling"

CERTIFICATIONS & AWARDS

- Rasa Certified Developer - 2023
- Microsoft Certified: Azure AI Engineer Associate 2022-2025
- STEM future professional Scholarship 2020
- Architecture of Writing Master class in creative writing 2019-20
- Folio 2019 Writing contest winner 2019
- Literary Essay competition winner 2016-17
- Youth Chess Championship Chess champion under of age 18 of the region Kvemo Kartli, Georgia 2014-17

TECHNICAL BLOGS

- 2025 [Optimizing xLSTM for AMD ROCm](#)
- 2025 [A Simple Design for Serving Video Generation Models with Distributed Inference, ROCm Blogs](#)
- 2025 ["Accelerating FastVideo on AMD GPUs with TeaCache", ROCm Blogs](#)