

Grammar is the Architecture of Understanding

Third

Ms. Greer taught us how to dissect a sentence. Subject, predicate, object. That was the moment I fell in love with grammar.

Grade

Grammar is the architecture of meaning.



Every language has

And every grammar encodes cultural context: how knowledge is shared, how respect is expressed, how relationships are structured.

a grammar



Let's eat,

The comma indicates you're speaking to grandma, inviting her to eat.

Grandma.

Let's eat Grandma.

Without the comma, the sentence suggests eating grandma.



The students, who were late, missed the exam.

All the students were late and, because of that they missed the exam.

The students who were late missed the exam.

Only the late students missed the exam, while others (on time) did not



The Problem w LLMs

When AI mishandles grammar,
it mishandles the world.



90%

Almost 90 percent of training tokens come from English and a handful of high-resource languages.



We've seen this before

The 1970s: Whole Language Learning



The theory was flawed

Without explicit instruction, many children never learned the structures they needed to decode text. Literacy rates dropped.



Early 2000s

Southern Africa. Central America.



What if the school could live on that device?

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The low-resource language problem

We couldn't rely on prediction.

Encode grammar directly.



A New Framework Architecture



Treat grammar
as

architecture,

Build AI systems that encode grammar explicitly, so meaning is preserved even

when data is scarce.
not ornament



If we encode grammar — explicitly, deliberately

We open the possibility for AI not just to generate words, but to honor worlds.



Grammar is where culture lives

In English, events are anchored in time, **when** it happened, through tense – past, present, future –
In Quechua, events anchored in **how** it happens – ongoing, finished, repeated – and **how you know** it happened



MASi's building—

A high-quality K-12 school that is both global, and locally sourced.



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