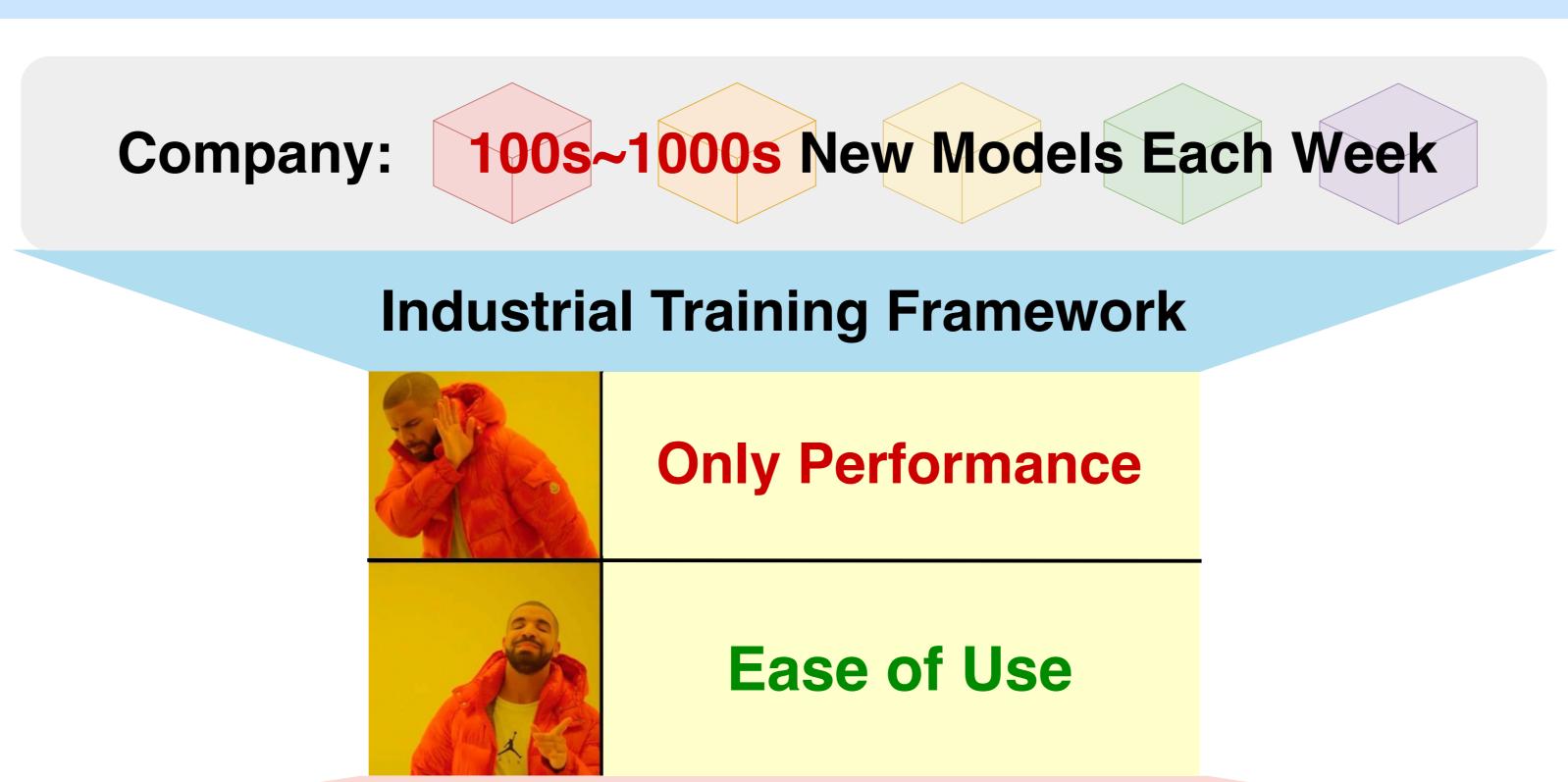




## A PyTorch Native LLM Training Framework

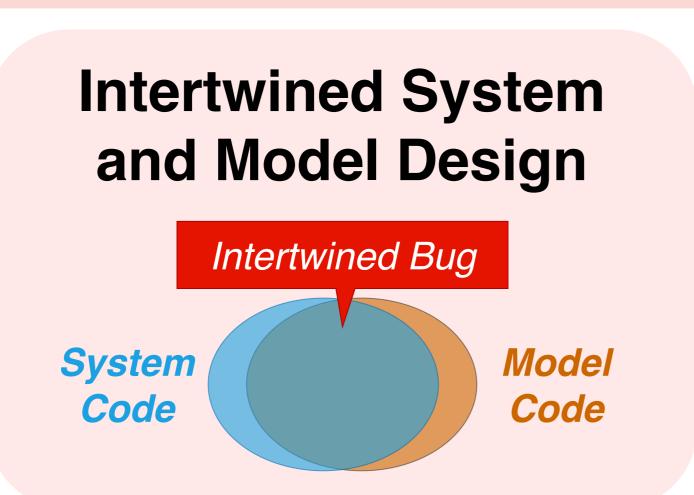
An Industrial-Level Framework for "Ease of Use"

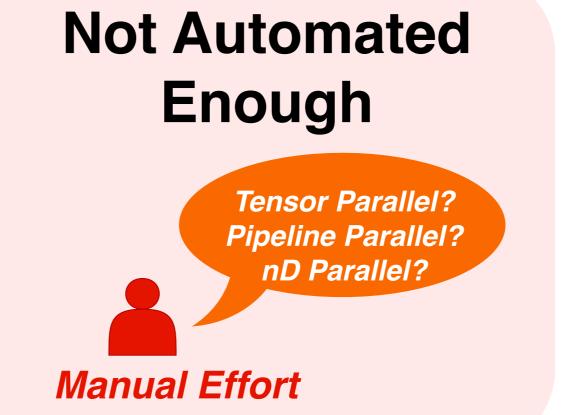
Byte Dance



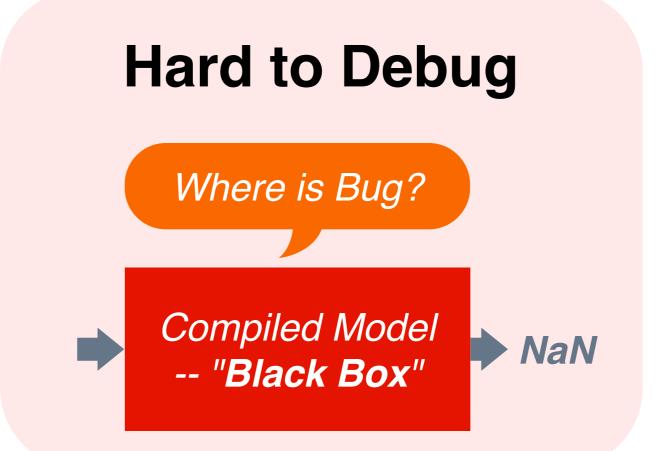
## **But Current Frameworks are Hard to Use**

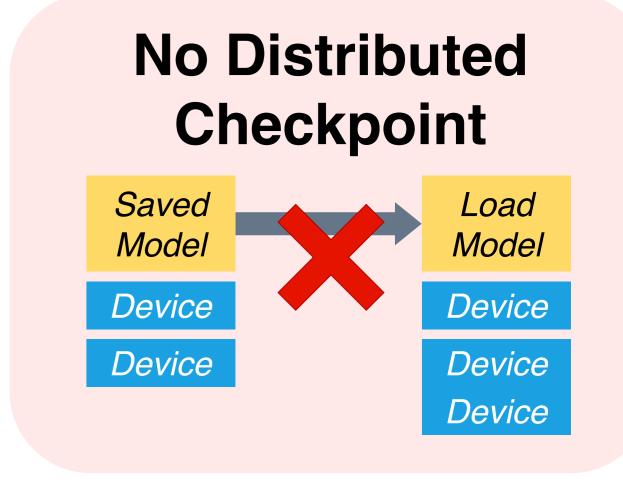


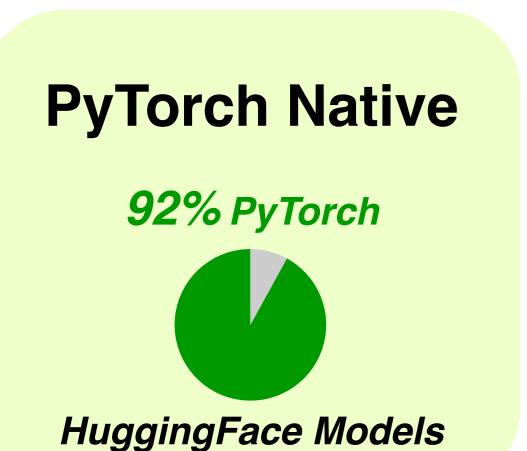


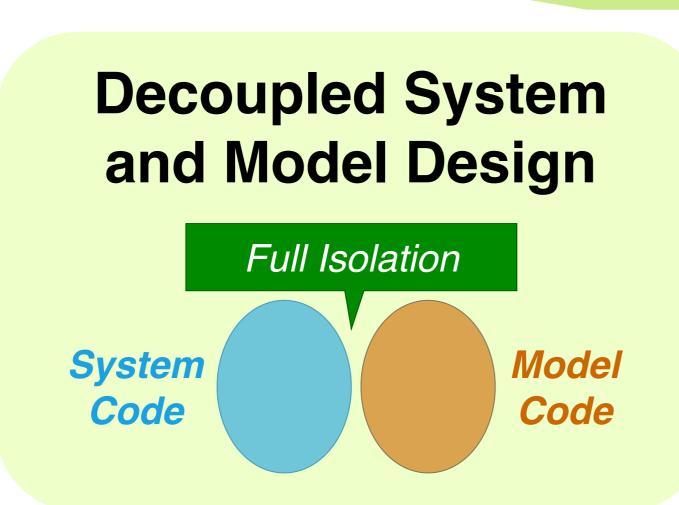


veScale

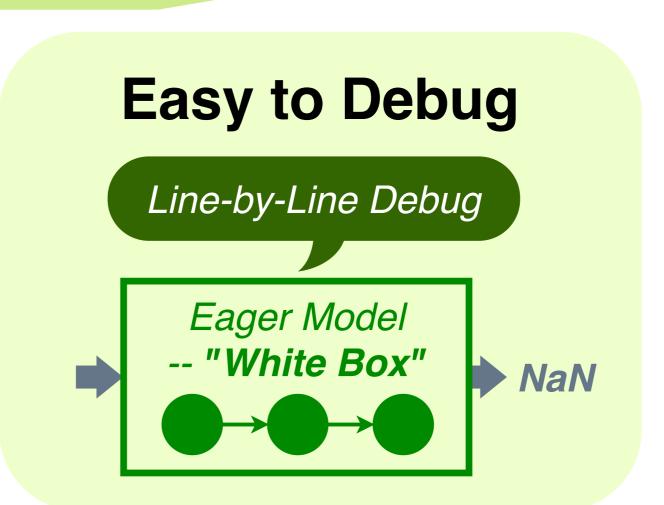


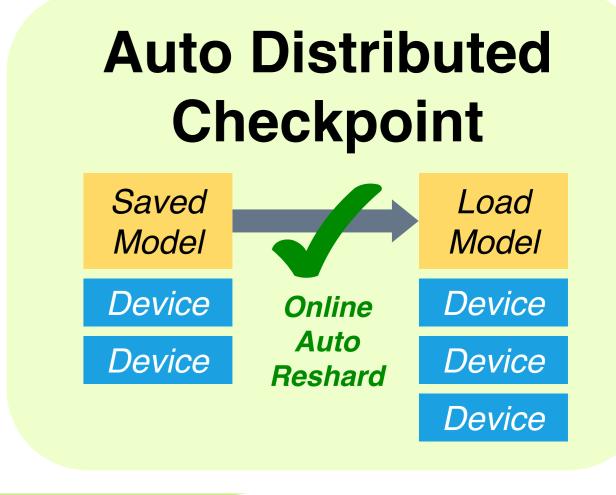




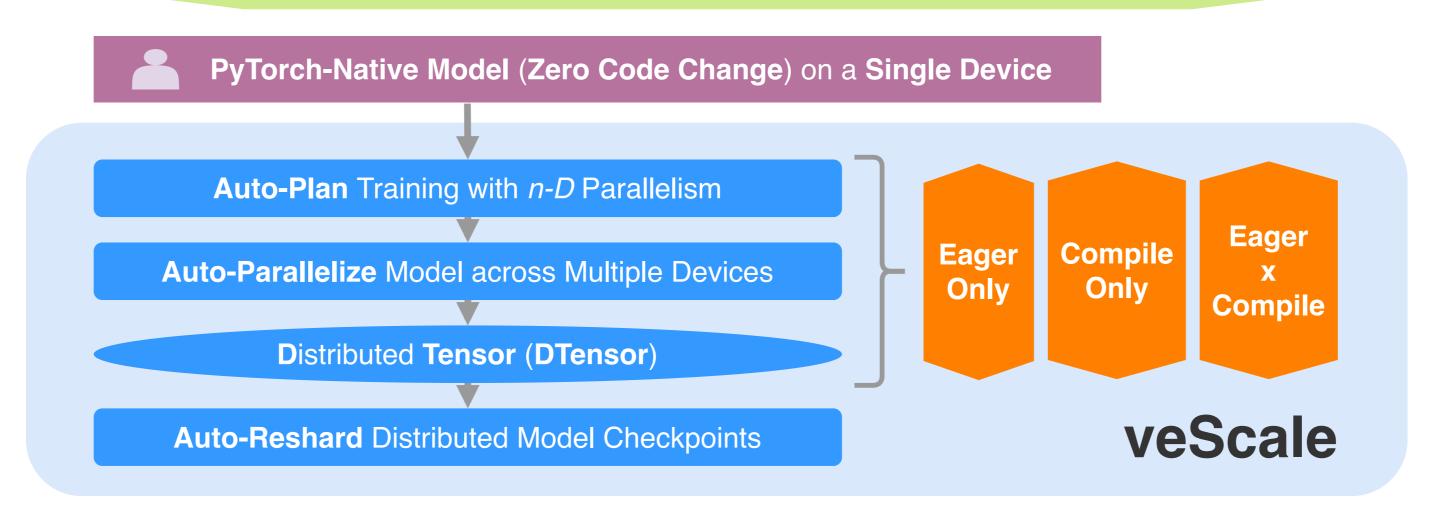








## **Overview**



## **Preliminary Results**

**Bitwise Correctness** 



