

Backboard.IO Achieves Record-Breaking 90.1% Accuracy on LoCoMo, Setting a New Standard for AI Memory Systems

AI infrastructure company building stateful and portable memory systems, achieves highest score ever for measuring long-term contextual memory in AI models.

OTTAWA, ONTARIO, CANADA,
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-- Backboard, an AI infrastructure company building stateful and portable memory systems, has achieved the highest score ever recorded on LoCoMo (Long Context Memory), the most recognized benchmark for measuring long-term contextual memory in AI models.



“

This result validates our belief that memory should be a foundational layer of AI. We're very excited about what we have in our memory product and love seeing how developers are using it.”

Rob Imbeault, CEO and founder of Backboard

Under standardized testing conditions, Backboard reached 90.1% overall accuracy, surpassing all prior public results. The evaluation was performed using the official LoCoMo task suite, GPT-4.1 as the judge model, and identical environmental parameters applied across all participants.

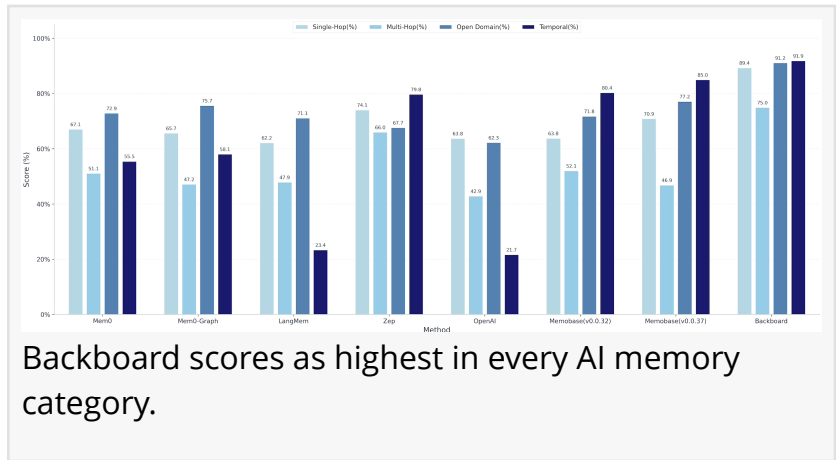
“This result validates our belief that memory should be a foundational layer of AI,” said Rob Imbeault, CEO and founder of Backboard and former co-founder of Assent Compliance, a Canadian SaaS unicorn. “We're very excited about what we have in our memory product and love seeing how developers are using it.”

Why It Matters

Traditional AI systems are stateless, which means each prompt is treated independently, forcing developers to reconstruct context manually. Backboard's stateful memory architecture allows AI agents to persist, recall, and reason across thousands of interactions, creating continuity over

time without retraining or prompt-stuffing.

Backboard's API enables developers to integrate persistent, portable memory across 2,200 + LLMs, vector DBs, and embedding models. Memory can move seamlessly between models and sessions, making the system architecture-agnostic and highly configurable.



Technical Highlights

Benchmark: LoCoMo v1.2 (standard task set A)

Judge Model: OpenAI GPT-4.1

Accuracy Score: 90.1 % (highest recorded)

Evaluation Environment: identical parameters, zero fine-tuning bias

Memory Mode Tested: Auto (search + write)

Dataset Transparency: full evaluation logs and methods to be released publicly

"We're not interested in gaming benchmarks, we want to evolve them," said Imbeault. "Our goal is memory so good that current benchmarks can't fully capture its capability."

Open Verification

Backboard will release its full LoCoMo dataset, evaluation logs, and API endpoint for public verification, inviting the AI research community to reproduce results under the same conditions.

Availability

The Backboard API is currently in alpha with select developers and research partners. Public access and documentation are available at www.backboard.io.

About Backboard

Backboard is an AI infrastructure platform enabling stateful systems with persistent memory and configurable multi-model routing. Its mission is to make AI memory portable, secure, and infinitely scalable across every LLM environment.

About LoCoMo

LoCoMo (Long Context Memory) is an open benchmark that evaluates the ability of AI systems to retain and apply information across extended multi-turn interactions, measuring accuracy, contextual consistency, and reasoning depth.

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