

Perplexity Brain: AI Agent Memory That Learns From Its Own Work Overnight

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Perplexity Brain: Memory That Improves Itself Overnight

An AI agent that learns from its own work, not just your preferences

+25% Answers correct, repeat tasks	+16% Higher recall of past work	-13% Cost on history-heavy tasks
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Perplexity launched [Brain](#) on June 18, 2026, a memory system for its AI agent, Computer, that learns from its own work. Most AI memory stores facts about you: your preferences, your role, how you work. Brain does the opposite. It records what the agent did, which steps worked, which failed, and what you corrected, then keeps these notes as a context graph: a linked, plain-language wiki of your projects, people, and sources. Overnight, it rereads that

map and rewrites it to work better next time, and every entry links back to its original source. In Perplexity's early tests, Brain raised answer correctness by 25% on jobs it had done before, lifted recall by 16%, and cut the cost of work needing past context by 13%.

This turns memory from a fixed profile of you into a skill that builds up with use. Take a developer fixing bugs across several repositories: Brain remembers which files mattered last time, so the agent stops relearning that context and reaches the cause with fewer model calls. For teams who pay by the token, the text these models bill for, today's work makes tomorrow's cheaper.

An agent that rewrites its own playbook overnight behaves less like a tool you reconfigure and more like a worker who improves with experience. The limit stops being how much fits in the context window and becomes how well an agent digests what it already learned. These numbers are early and first-party.

Read More: [OpenAI's Dreaming V3](#) builds the opposite kind of memory, a profile of you that it also refreshes overnight.

Sources:

- [Self-improving Memory for Agents](#) (Perplexity, June 18, 2026)
- [Perplexity Launches Brain, a Self-Improving Memory System](#) (MarkTechPost, June 18, 2026)
- [Perplexity's AI Agent Now Has a Brain That Learns From Its Own Mistakes](#) (Yahoo Tech)
- [Perplexity Builds Brain To Teach AI Agents How To Do Work Better](#) (Quantum Zeitgeist)

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