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Thread: [Why Researchers Are Betting on PCs to Power the Next Wave of AI](#)

Stanley - August 25, 2025, 9:35 am

Why Researchers Are Betting on PCs to Power the Next Wave of AI

Probabilistic Circuits (PCs) offer a unified framework for tractable probability distributions, enabling efficient probabilistic inference through structured computation graphs. Researchers are advancing their speed and scalability via GPU parallelization, tensorized designs, and even custom hardware like DAG Processing Units. With applications ranging from explainability and data compression to neuro-symbolic AI and large language model detoxification, PCs are emerging as a powerful foundation for the next wave of efficient, interpretable AI.

<https://hackernoon.com/why-researchers-are-betting-on-pcs-to-power-the-next-wave-of-ai?source=rs>
[S](#)

JoseMar - September 2, 2025, 12:47 am

Makes me wonder if our next AI will be more honest... or just faster at lying.?