

DOTE 6635: Artificial Intelligence for Business Research (Spring 2026)

What's New in AI

Renyu (Philip) Zhang

1

What Happened Since We Last Met?

Nature's 10

Ten people who helped shape science in 2025

8 December 2025



Liang Wenfeng: Tech disruptor

After making his name in investing, a Chinese finance wizard founded DeepSeek.

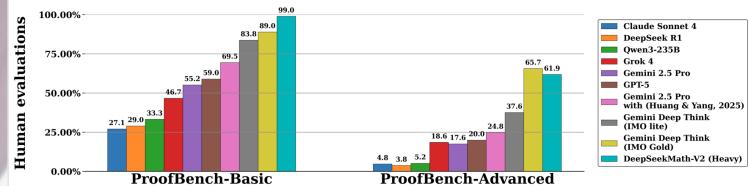
Article | [Open access](#) | Published: 17 September 2025

DeepSeek-R1 incentivizes reasoning in LLMs through reinforcement learning

[Daya Guo](#), [Dejian Yang](#), [Haowei Zhang](#), [Junxiao Song](#), [Peiyi Wang](#), [Qihao Zhu](#), [Runxin Xu](#), [Ruoyu Zhang](#), [Shirong Ma](#), [Xiao Bi](#), [Xiaokang Zhang](#), [Xingkai Yu](#), [Yu Wu](#), [Z. F. Wu](#), [Zhibin Gou](#), [Zhihong Shao](#), [Zhoushu Li](#), [Ziyi Gao](#), [Aixin Liu](#), [Bing Xue](#), [Binxuan Wang](#), [Bochao Wu](#), [Bei Feng](#), [Chengda Lu](#), ... [Zhen Zhang](#) + Show authors

[Nature](#) 645, 633–638 (2025) | [Cite this article](#)

320K Accesses | 173 Citations | 800 Altmetric | [Metrics](#)



Contest	Problems	Points
IMO 2025	P1, P2, P3, P4, P5	83.3%
CMO 2024	P1, P2, P4, P5, P6	73.8%
Putnam 2024	A1 ~ B4, B5, B6	98.3%

Table 1 | Problems in gray are **fully solved**, while underlined problems received **partial credit**.

Jan 6, 2026

2

karpathy

Home Blog

2025 LLM Year in Review

20 Dec, 2025

2025 LLM Year in Review

By Andrej Karpathy | Dec 19, 2025



2025 has been a strong and eventful year of progress in LLMs. The following is a list of personally notable and mildly surprising "paradigm changes" - things that altered the landscape and stood out to me conceptually.

<https://karpathy.bearblog.dev/year-in-review-2025/>

Jan 6, 2026

3

What Happened Since We Last Met?

1. Reinforcement Learning from Verifiable Rewards (RLVR)

2. Ghosts vs. Animals / Jagged Intelligence



3. Cursor / new layer of LLM apps

4. Claude Code / AI that lives on your computer

5. Vibe coding

6. Nano banana / LLM GUI

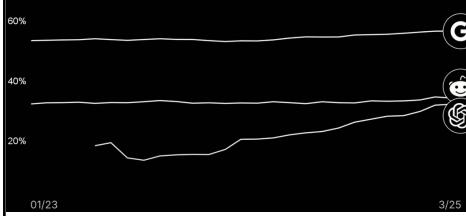
TLDR. 2025 was an exciting and mildly surprising year of LLMs. LLMs are emerging as a new kind of intelligence, simultaneously a lot smarter than I expected and a lot dumber than I expected. In any case they are extremely useful and I don't think the industry has realized anywhere near 10% of their potential even at present capability. Meanwhile, there are so many ideas to try and conceptually the field feels wide open. And as I mentioned on my Dwarkeish pod earlier this year, I simultaneously (and on the surface paradoxically) believe that we will both see rapid and continued progress *and* that yet there is a lot of work to be done. Strap in.

豆包DAU破亿，成字节史上推广费用最少的破亿产品

界面新闻 2025年12月24日 21:56



AI Now
App DAU/MAU



What Happened Since We Last Met?

CryptoLord NE 🇺🇸 🇲🇽 🇫🇷 @CryptoDefLord · 7月1日
Transfer window now open for tech guys. This Asian man Jiahui Yu was traded from OpenAI to Meta for \$100m.

Who is next?
科技人才转会窗口现已开放。亚洲球员于嘉辉以1亿美元的价格从OpenAI转会至Meta。

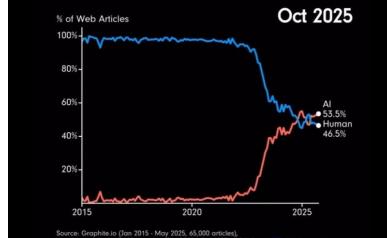
下一个是谁？



Compensation

\$280K – \$400K + Offers Equity

The Rise of AI-Generated Content



 manus

The general AI agent

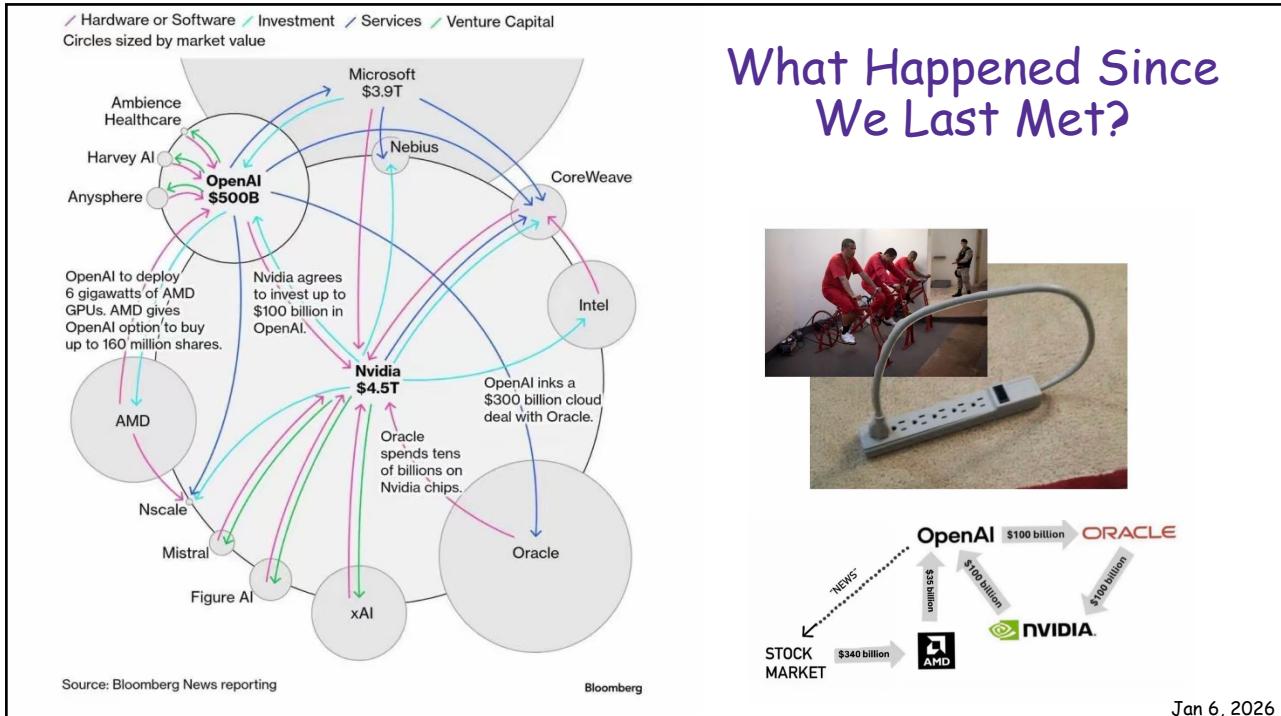
Meta just acquired a Chinese-founded AI startup for \$2B. Here's why that matters

AI firm Manus claims its bot can make decisions with far less prompting than rivals

Jenna Bern�ik | CBC News · Posted: Dec 30, 2025 3:36 PM EST | Last Updated: December 31, 2025

Jan 6, 2026

4



5



6

