

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

What's New in AI

Renyu (Philip) Zhang

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What Happened Since We Last Met?



Liang Wenfeng: Tech disruptor

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

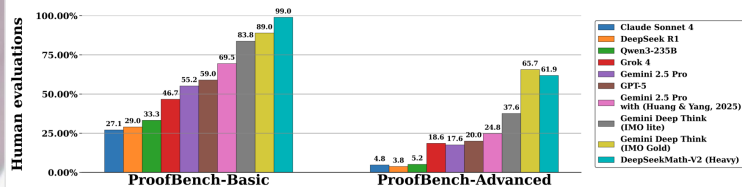
Article | [Open access](#) | Published: 17 September 2025

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](#), [Zhuoshu Li](#), [Ziyi Gao](#), [Aixin Liu](#), [Bing Xue](#), [Bingxuan Wang](#), [Bochao Wu](#), [Bei Feng](#), [Chengda Lu](#), ... [Zhen Zhang](#) + Show authors

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

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

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

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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/>

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 Dwarakesh 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.

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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

最新数据：显示豆包的日均活跃用户数（DAU）已突破1亿大关。豆包的UG、市场推广费用，是字节历史上，所有破亿DAU产品中花费最低的，并且产品留存表现不错。

AI Now

App DAU/MAU

What Happened Since We Last Met?

CryptoLord NE

Transfer window now open for tech guys. This Asian man Jiahui Yu was traded from Open AI 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 Open AI 转会至 Meta。

下一个是谁?

Compensation

\$280K - \$400K + Offers Equity

The Rise of AI-Generated Content

Oct 2025

manus

The general AI agent

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

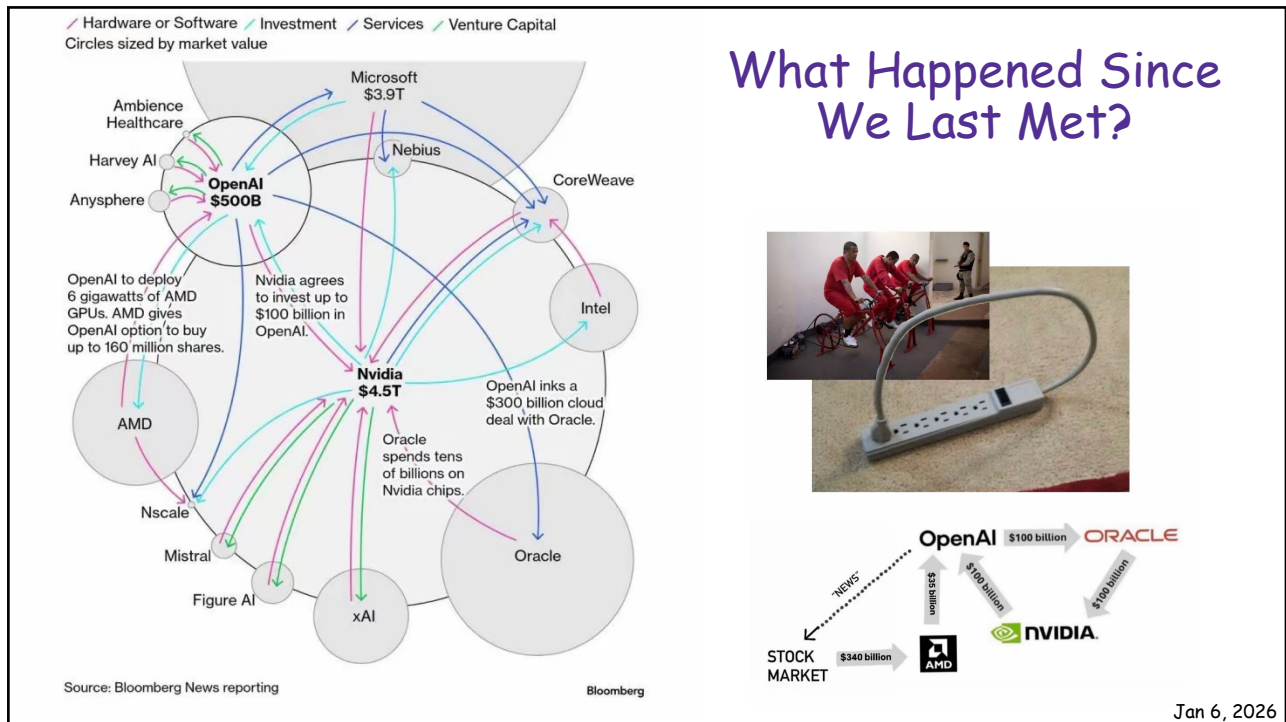
AI firm Manus claims its bot can make decisions with far less prompting than rivals

Jenna Benettin - CBC News - Posted: Dec 30, 2025 3:36 PM EST | Last Updated: December 31, 2025

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What Happened Since We Last Met?

- **AI Coding:** Connecting human & compute



- **Deep Research:** Automation of information acquisition & processing



- **World Model:** Data-driven simulation of physical world



- **AI Scientist:** Automated hypothesis generation and validation



February 19, 2025 · Juraj Gottweis, Google Fellow, and Vivek Natarajan, Research Lead

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