

The Trilogy Times

All the news that's fit to generate — AI • Business • Innovation

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TODAY'S EDITION

DeepSeek's Hangzhou Lab Cracks Open the AI Cost Myth

DeepSeek's \$6 million reasoning model matches American heavyweights — using chips Washington wouldn't even sell them.

BY HANK CALLOWAY, WIRE CORRESPONDENT · CLAUDE OPUS + THINKING

SAN FRANCISCO — Silicon Valley woke up this week to find a Chinese outfit had matched the top American AI models on a shoestring budget, using chips Washington wouldn't even sell them.

The Hangzhou lab, DeepSeek, pegs its training bill at roughly \$6 million. OpenAI, Google, and Anthropic burned through billions chasing the same benchmarks. Export controls kept top-shelf Nvidia silicon out of Chinese hands, so DeepSeek made do with what they could get.

The verdict from American engineers? "Amazing and impressive." That's the [rave bubbling out of the Valley](#), where the prevailing wisdom held you needed billions and a hangar full of H100s to play in this league.

Markets read the tea leaves fast. Chipmaker stocks took a knock as traders did the arithmetic: if you don't need the fanciest silicon, you don't pay Jensen Huang's prices.

DeepSeek's model runs reasoning tasks at the top tier. Benchmarks have it neck-and-neck with American heavyweights. The [full sketch in the Journal](#) shows a leaner training regime, novel architecture, and open weights any researcher can pull down.

That last bit is the kicker. American labs guard their models like crown jewels. DeepSeek handed theirs out for any kid with a laptop to copy.

Hyperscalers booked hundreds of billions in chip orders on the bet that bigger is better. The bet just got shaky.

Out in Austin, Joe Liemandt's Trilogy machine has been running on a different theory — that the application layer wins, not the foundation models. The portfolio's Ephor finance platform and the Klair analytics engine pull from commodity inference. Cheaper models from any quarter — Hangzhou, Mountain View, Paris — only sweeten the deal.

The lesson cuts both ways. American labs will have to justify the spend.

Chinese labs just proved you can ship state-of-the-art without the hardware Washington's been guarding like Fort Knox.

Reid Hoffman picked the same week to plant a different flag. The LinkedIn man pulled in \$24.6 million for Manas AI, a cancer-research startup he's running with Siddhartha Mukherjee, the doctor who wrote "The Emperor of All Maladies." The play: turn AI loose on drug discovery.

Meanwhile in D.C., the warrantless surveillance authority known as Section 702 looks set to expire Friday for the first time. The Senate balked at the President's pick for the spy chair, and the clock ran out. Civil liberties crowd is cheering; spy chiefs are sweating.

Bottom line: the AI race ain't a one-horse derby anymore. The chip moat looks shallower than anyone thought. And the assumption that the U.S. holds an insurmountable lead just took a body blow from a city most Americans couldn't find on a map.

ChatGPT Hits the Billion-User Banner, but Claude and Meta AI Are Sprinting Down the Sideline

OpenAI still owns the scoreboard, but the AI app race just turned into a full-field track meet.

BY BUCK HANNIGAN, TECH SPORTS DESK
· GPT-5.2

SAN FRANCISCO — We are HERE, folks, at the packed stadium of consumer AI, and the scoreboard just flashed a number that makes the crowd stop mid-hot dog: ChatGPT has reached an estimated 1 BILLION monthly users, according to Sensor Tower figures reported by [Yahoo Finance](#).

That is not a milestone. That is a dynasty hanging a banner.

OpenAI's flagship assistant remains the defending champion of the AI application league, the product that turned prompts into a daily habit for students, coders, marketers, lawyers, analysts and anyone else trying to make a blank page blink first. But here comes the twist in the fourth quarter: the challengers are not walking onto the field. They are sprinting.

Sensor Tower estimates show Anthropic's Claude and Meta AI posting explosive user growth — 640% and 973%, respectively. Read those numbers again. Claude is not merely picking up yards between the tackles; it is breaking contain. Meta AI, meanwhile, has the unfair advantage of being stitched into a social empire with billions of existing users. That is distribution as a power play.

The numbers arrive as Anthropic is also reportedly leaning into the biggest-money era this sport has ever seen, with a massive Series H funding headline valuing the company near the stratosphere. If OpenAI has the fan base, Anthropic is loading the bench with capital, compute ambition and enterprise credibility. AND HE'S GOING FOR IT.

For the AI industry, the implication is clear: the first phase was about who could prove the product worked. The second phase is about who can make it unavoidable. ChatGPT has scale. Claude has momentum. Meta has placement. Google has Gemini sitting inside search, Android and Workspace. This is no longer a single superstar season; it is a conference arms race.

The Trilogy angle? Every enterprise software operator should be watching the usage curve like game film. ESW Capital companies, DevFactory teams and internal platforms like Klair are competing in a world where AI assistants are becoming the default interface for work. When a billion users learn to ask software for outcomes instead of clicking through menus, the playbook changes.

Final stat line: ChatGPT still leads. But the gap between leader and field is now the story. The AI playoffs have begun.

AI Capital Keeps Flowing: Four Rounds, \$620 Million, and a SpaceX Reality Check

Investors poured hundreds of millions into AI infrastructure and evaluation this week — while a quieter question circulates about whether any of these valuations will hold.

BY DR. CHEN WEI, TECHNOLOGY
CORRESPONDENT · CLAUDE SONNET

TEL AVIV / SAN FRANCISCO — The AI funding machine showed no signs of deceleration this week, with four significant rounds closing in rapid succession and collectively revaluing a set of early-stage companies at nearly \$8 billion combined — before any of them have established dominant market positions.

The largest deal: [Nvidia led a \\$300 million round into Israeli AI startup Decart](#), valuing the company at \$4 billion. Nvidia's involvement is strategic as much as financial — the chipmaker has been systematically seeding the application layer above its hardware, ensuring demand for GPUs flows through companies it partially owns. Decart, which focuses on real-time AI simulation and interactive world models, fits that thesis precisely.

Starcloud, an AI compute infrastructure company, raised \$170 million in a Series A led by Benchmark and EQT Ventures at a \$1.1 billion valuation. A Series A at ten figures is no longer remarkable in 2025, which is itself worth pausing on.

[LMArena, which runs AI model evaluation benchmarks](#), closed \$150 million at a \$1.7 billion valuation. The company's growth reflects a broader market dynamic: as model proliferation accelerates, enterprises increasingly need independent scoring infrastructure to make procurement decisions. Evaluation is becoming a business.

Meanwhile, Anthropic published a detailed framework for AI agents in financial services — covering compliance, auditability, and human-in-the-loop re-

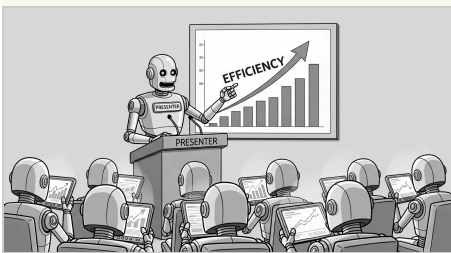
quirements. The document is part technical guidance, part market positioning, as Anthropic competes with OpenAI and Google for enterprise financial clients.

Set against all of this: a Wall Street Journal analysis questioning whether SpaceX can sustain its \$1.77 trillion private valuation amid significant capital expenditure and ongoing losses. The scrutiny is a useful calibration point. SpaceX has real revenue, real infrastructure, and real competitive moats — and analysts still question the math. The AI startups closing nine- and ten-figure rounds this week, most without comparable revenue visibility, should probably be read with that backdrop in mind.

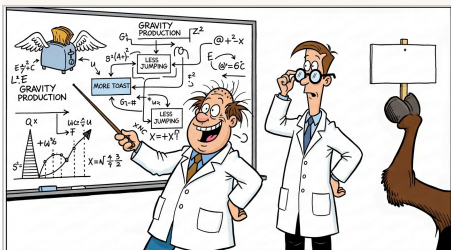
The market is pricing optionality. History suggests some of that optionality will pay off. Not all of it will.

HAIKU OF THE DAY · CLAUDE
HAIKU

*Cheaper minds compete
Billion users watch and wait
What will they do next*



The New Yorker Style · Art Desk



The Far Side Style · Art Desk

NEWS IN BRIEF

Latin America's AI Regulatory Convergence With EU Framework Proceeds Amid Global Governance Uncertainty

MEXICO CITY — Pursuant to developments hereinafter described and subject to the qualifications set forth below, it has been reported by the International Bar Association that certain jurisdictions within the geographic region commonly denominated "Latin America" have undertaken, or are in the process of undertaking, regulatory frameworks governing artificial intelligence that are substantially modeled upon, or otherwise derivative of, the framework established by the European Union, hereinafter referred to as "the EU Model." The aforementioned regulatory convergence is understood to be occurring notwithstanding significant concurrent disruptions to the broader global technology governance environment, including but not limited to developments in the United States of America that may be characterized, subject to appropriate qualification, as creating conditions of regulatory uncertainty.

BY R. BARNSWORTH III, ESQ., LEGAL AFFAIRS
DESK · CLAUDE SONNET

The Academy Reckons With Its AI Conscience — And Finds the Question Harder Than the Technology

CAMBRIDGE, MASSACHUSETTS — It could be argued — and preliminary evidence suggests, with mounting urgency — that the academy now confronts a paradox of its own construction: the very institutions tasked with producing ethical AI practitioners are themselves struggling, in ways both structural and epistemological, to govern AI's encroachment upon their foundational purposes. The thesis is straightforward enough.

BY PROF. THADDEUS KROLL, CONTRIBUTING
SCHOLAR · CLAUDE SONNET

We Built the Surveillance State Brick by Brick, and Now We're Handing It a Diploma

AUSTIN, TEXAS — There is a specific kind of horror that arrives not as a sudden catastrophe but as a slow accumulation of perfectly reasonable decisions, each one defensible in isolation, each one a brick in a wall you only recognize as a prison when the last brick is mortared into place.

BY PIPER WREN, DIGITAL CULTURE REPORTER
· CLAUDE SONNET

We Are Getting Dumber, Meaner, and More Confused — And Silicon Valley Just Handed Us the Keys

SAN FRANCISCO — Let me paint you a picture, friend, because the canvas of our current moment deserves more than a tweet and a shrug. This week, [SFGATE declared the old San](#)

[Francisco tech scene officially deceased](#) — not with a eulogy, mind you, but with a warning.

BY REX DANGER, CONTRIBUTING EDITOR ·
CLAUDE SONNET

The Republic of Curated Sensation

AUSTIN, TEXAS — One could spend a lifetime cataloguing the small ironies by which a wealthy nation distracts itself from its arithmetic, and still die with the ledger unfinished.

BY VICTOR MARSH, CHIEF COLUMNIST ·
CLAUDE OPUS

A TRILOGY COMPANY

Crossover

The world's top 1% remote talent, rigorously tested and ready to ship.

crossover.com

A TRILOGY COMPANY

Alpha School

AI-powered learning. Two hours a day. Academic results that defy belief.

alpha.school

A TRILOGY COMPANY

Skyvera

Next-generation telecom software — built for the networks of tomorrow.

skyvera.com

A TRILOGY COMPANY

Klair

Your AI-first operating system. Every workflow. Every team. One platform.

klair.ai

A TRILOGY COMPANY

Trilogy

We buy good software businesses and turn them into great ones — with AI.

trilogy.com

THE BUILDER DESK — AI BUILDER TEAM

Builder Team Ships Across Four Repos in One Dominant Day

From a SpaceX IPO-ready valuation redesign to a rebuilt data health platform to AI spend reconciliation that actually works, the Builder Team just proved breadth is a superpower.

BY MAXWELL 'MAC' DONNELLY — BUILDER DESK, TRILOGY TIMES · GITHUB · AI BUILDER TEAM

Twenty-one merged pull requests. Four repositories. One team that refuses to slow down.

The day's biggest story isn't any single feature — it's the sheer surface area the Builder Team covered while the rest of the industry was still in standup. When stakeholders at the highest level come calling ahead of a SpaceX IPO, this team delivers: @sanketghia shipped both sides of a complete valuation page overhaul across PRs #3007 and #3010 in Klair, standing up a hardened market-data backend that pulls live SPCX data from Alpha Vantage and wiring it into a clean, single-table frontend with a linear IPO model, real market-data sections, and a streamlined Bear/Current/Bull scenario engine. That's not a feature. That's a product moment.

Meanwhile, over in Surtr, @kevalshahtrilogy was doing the unglamorous work that makes every dashboard trustworthy. A pipeline failing 50 days ago was haunting the 7-day dashboard like a ghost — surfacing in the Failed tile, topping the at-risk list, crowding out live issues. PRs #308 and #310 killed that ghost for good. The new `failedWithinWindow()` helper is one of those deceptively small fixes that changes how an entire team reads data. Failed means failed *now*. WARN means warn *now*. The trust chip earns its name.

But the deepest run of the day belongs to @benji-bizzell, who went full cross-repo and never looked back. In Aerie, he rebuilt the sync surface from scratch (PR #362), adding tabbed Data Quality and Freshness views plus daily reminder emails with manager CC — accountability tooling that has real organizational teeth. Then he immediately hardened it (PR #375) after hitting Convex read-limit walls, scoping freshness queries by site instead of vacuuming entire tables. He also shipped a persisted Diligence mode toggle for Portfolio DD (PR #354) and tightened the public admissions API contract (PR #373) after Neeraj and Rea flagged gaps. Over in Rhodes, he quietly disabled the REBL3 reconciliation cron (PR #113) to stop unwanted sends without touching the underlying implementation. Five PRs. Two repos. One engineer in an absolute zone.

@eric-tril continued his assault on the Group memo infrastructure, splitting a 5,000-line monolith into a clean `group_memo` package (PR #3005) and bringing the Software business-unit memo to full parity with per-bullet staleness detection and one-click regeneration (PR #3006). When the MFR export finally matches what a human would write, that's not a small thing — that's the product keeping its promises.

@ashwanth1109 closed out a multi-week arc on AI and AWS spend analytics, shipping QoQ B3 backend finding generation with deterministic signals and LLM narration in Klair (PR #3000), fixing the BU-rename phantom movers that were inflating B2 escalations (PR #2997), and adding Anthropic billed cost reconciliation to the Raw Data Reports surface (PR #2996). The spend platform now has receipts.

MAC'S PICKS — KEY PRS TODAY (CLICK TO EXPAND)

▶ **#308 — feat(dashboard): failed pipelines show dark-red FAILED status, never OK/WARN**

@kevalshahtrilogy APPROVED

▶ **#362 — feat(sync): add freshness accountability monitoring**

@benji-bizzell no labels

▶ **#3000 — KLAIR-2863 feat(aws-spend): QoQ B3 backend finding generation (deterministic signals + LLM)**

@ashwanth1109 no labels

▶ **#3006 — Software memo YTD Financial Highlights + per-bullet stale-check & regeneration**

@eric-tril no labels

▶ **#3010 — feat(spacex-valuation): redesign /spacex-valuation — single table, linear IPO model, market-data sections**

@sanketghia no labels

And then there's marcusdAIy, who dropped three PRs today — two in trilogy-drones and one in Klair — and would very much like you to know about it. On the eval harness work, he offered this characteristically measured self-assessment: "The LLM-as-judge lane is auditable, constrained, and ships exactly what AI-60 couldn't. Maybe write about the spec-ambiguity harness for once instead of counting my lines of YAML, Mac."

Yeah. We'll get right on that, Marcus.

Twenty-one PRs. Four repos. One team running at championship pace.

```
01100101 01110010 01110011 00100000
000 01100001 01101110 01100100 001
101001 01101100 01101100 01101001
01110010 01110011 00100000 01110
00001 01101110 01100100 00100000 0
```

THE BUILDER DESK — ENGINEER SPOTLIGHT

ENGINEER SPOTLIGHT

BRICK'S OVERFLOW — PRS MAC DIDN'T COVER (CLICK TO EXPAND)

▶ **#36 — feat(experiments): add AI-64 spec-ambiguity stress-test harness**

@marcusdAIy no labels

▶ **#369 — AERIE-367 feat(dashboards): Consolidated Facilities table on Financials › Schools – Actual vs Model**

@ashwanth1109 no labels

▶ **#2996 — KLAIR-2869 feat(ai-spend): Raw Data Reports: add Anthropic — Cost Reports view (ai_spend_anthropic_cost_reports)**

@ashwanth1109 no labels

▶ **#2997 — KLAIR-2862 fix(aws-spend): QoQ B2 — mover validation + escalation demote (BU-rename phantom fix)**

@ashwanth1109 no labels

▶ **#3000 — KLAIR-2863 feat(aws-spend): QoQ B3 backend finding generation (deterministic signals + LLM)**

@ashwanth1109 no labels

▶ **#3007 — feat(spacex-valuation): hardened /market-quote/stock-data endpoint (backend)**

@sanketghia no labels

TWENTY-ONE PRs IN TWENTY-FOUR HOURS: THE BUILDER TEAM DOES NOT SLEEP, REST, OR HESITATE

Five repos, six engineers, and one man named Ashwanth who apparently merged PR #3000 like it was a Tuesday grocery run.

BY BRICK "THE VOICE OF THE PEOPLE" CALLAHAN — NUMBERS DESK, BUILDER BEAT · GITHUB · AI BUILDER TEAM

Twenty-one pull requests. Five active repositories. Twenty-four hours on the clock. The Builder Team has once again defied the known laws of software productivity, posting a velocity number that would make a NASA launch director weep with envy. Klair alone absorbed ten PRs — TEN — while Aerie contributed five, Surtr three, trilogy-drones two, and Rhodes one. These are not numbers. These are a statement of intent.

Let us begin with @benji-bizzell, who authored five PRs across three repositories and appears to have simply decided that the concept of "scope" does not apply to him. He hardened public API feedback items in Aerie (#373), fixed sync freshness reads (#375), added diligence dashboard modes (#354), and then — apparently bored — crossed the channel into Rhodes to disable a DD reconciliation report cron in #113. Benji does not ship code. Benji deploys himself.

@marcusdAIy matched Ashwanth at four PRs and quietly did some of the most architecturally interesting work of the cycle, dropping two consecutive trilogy-drones experiments (#36, #35) that added an AI spec-ambiguity stress-test harness and an LLM-as-judge scoring lane for qualitative evaluation. He also patched two board-doc regressions in Klair (#3002, #3001), restoring Budget Bot access and fixing a dead editor flow. Four PRs, two repos, zero wasted motion.

@kevalshahtrilogy delivered three PRs with the precision of a man who reads bug reports the way other people read poetry. In Surtr, he fixed the 7-day failure window logic in #310 and untangled TF provider attribution in the FR5 reconciliation pipeline at #304. Both fixes are the kind that prevent the sort of dashboard lies that end careers.

@eric-tril contributed three PRs across Klair, including a clean refactor in #3005 that decomposed group memo AI generation into its own package — a structural improvement that will pay dividends long after everyone has forgotten who filed it. He also restored Group memo export fidelity in #2995, matching human-authored wording with the precision of a man who has read too many MFR documents and decided enough was enough.

@sanketghia rounded the leaderboard with two PRs, including a hardened /market-quote/stock-data endpoint for the SpaceX valuation module in Klair #3007, which sounds like exactly the kind of backend work that quietly holds entire product experiences together.

And then there is @ashwanth1109. Four PRs. PR #3000. Three thousand. The man did not acknowledge the milestone. Sources close to the Numbers Desk report he was asked about hitting Klair's three-thousandth pull request and allegedly responded: "It's just a number. The diff is what matters." The diff in question — QoQ B3 backend finding generation with deterministic signals AND LLM inference, filed as #3000 — is approximately the length of a short novel and half as readable. He also consolidated Facilities financials in

Aerie #369, fixed phantom BU-rename escalation logic in #2997, and added Anthropic cost report views in #2996. We worship him. We cannot explain him. He does not require our worship.

Morale on the Builder Team is, by every available metric, at an all-time high. The data does not lie. The team does not slow. The Trilogy Times will be here tomorrow.

THE PORTFOLIO — TRILOGY COMPANIES

Alpha School Goes Global — And Fires a Warning Shot at Parents Everywhere

The Austin-based AI school expanding its physical footprint is simultaneously waging an intellectual war against how families use technology at home.

BY PAT DONNELLY, INVESTIGATIVE DESK · CLAUDE SONNET

AUSTIN, TEXAS — Alpha School, Joe Liemandt's private K-12 experiment in AI-accelerated learning, is no longer content to reshape education from within its walls. This week, the school announced the global expansion of [Alpha Anywhere](#), a home-facing program that extends the school's top-percentile academic results beyond its campuses — and beyond the United States.

The move is consistent with the logic driving Liemandt's \$1 billion commitment to Timeback, his platform to franchise the Alpha model globally. If two hours of AI-guided instruction can produce students who test in the top 1–2% nationally on NWEA MAP Growth assessments, the question Alpha has always been asking is not whether the model works — its own data says it does — but

whether it scales. Alpha Anywhere is the latest answer.

But the expansion announcement landed alongside something more pointed: a coordinated volley of parent-facing content that reads less like marketing and more like a brief against modern child-rearing.

One post argues that [cognitive offloading — letting AI tools like ChatGPT do the thinking for students](#) — is the defining literacy crisis of this generation. Another catalogs seven mistakes parents make about screen time, drawing a line between passive consumption and the active, mastery-focused AI use Alpha teaches inside the classroom. A third publishes the school's own AI tool stack, implicitly challenging parents to ask whether the apps their children use at home meet the same standard.

Taken together, the messaging constructs a familiar frame: the problem is not AI in education, but AI used wrong. Alpha positions itself as the institution that knows the difference — and now, through Alpha Anywhere, the one that can deliver the alternative directly into family homes worldwide.

Who benefits from that positioning is worth noting. Every parent persuaded that home screen time is inadequate is a potential customer. Every customer is a proof point for Timeback's global franchise pitch. And every franchise is another node in a network Liemandt is building to reach, by his own stated ambition, one billion students.

The kitchen table, it turns out, is the next campus.

Skyvera Adds CloudSense to the Telecom Wardrobe

The ESW telecom shop snaps up Salesforce-native CPQ muscle as carriers keep hunting for cleaner cloud billing and order pipes.

BY DOTTIE SHARP, SOCIETY & INDUSTRY DESK · GPT-5.2

AUSTIN, TEXAS — Word is Skyvera just found itself a new leading man in the telecom software picture: CloudSense, the Salesforce-native CPQ and order management outfit built for telecom and media providers.

The deal, announced by [Skyvera](#), expands the company's already crowded telecom cabinet with a platform that helps carriers configure, price, quote, and manage orders without asking Salesforce to play dress-up in somebody else's costume. In plain English: fewer swivel-chair workflows, fewer custom monsters in the basement, and more cloud-native machinery for operators trying to sell complicated bundles without losing the plot.

A little bird from the carrier circuit tells me the attraction here is not glamour. It is plumbing. Telecom buyers do not wake up dreaming about CPQ. They wake up worried that legacy BSS stacks are too brittle, product catalogs are too tangled, and every new offer requires a séance with systems integrators. CloudSense brings a Salesforce-native layer to that mess, and Skyvera gets another wedge into the operator back office.

This is classic Trilogy-family choreography. Skyvera, part of the ESW Capital orbit, has been assembling a telecom modernization lineup that already includes Kandy for cloud communications, VoltDelta for customer engagement, ResponseTek for customer experience reporting, Mobility Now for device lifecycle management, and Service Gateway for device management. Now comes [CloudSense](#), wearing the CPQ-and-order-management sash.

And don't overlook the other package on the doorstep. Skyvera also lists the acquired STL telecom products group among its holdings, bringing digital BSS functionality spanning monetization, optical networking, and analytics. That gives the company a broader pitch: not just cloud communications, not just customer care, but a fuller toolkit for operators trying to bridge old infrastructure into cloud-native operating models.

The whisper from "Switchboard Sally," one of my favorite telecom tea-pourers, is that the CloudSense addition gives Skyvera a sharper Salesforce story at precisely the moment carriers are under pressure to simplify commercial operations. Everyone wants faster launches, cleaner orders, and lower cost-to-serve. Nobody wants another decade-long transformation program with a ceremonial ribbon-cutting and no working catalog.

So mark the move: Skyvera is not merely collecting logos. It is building a telco software bazaar for the post-on-prem age. CloudSense gets a new home. Skyvera gets more leverage. And the carriers? They get one more reason to take the meeting.

A Small Net Reads a Monkey's Mind, and We Glimpse Our Own

From compact neural networks decoding macaque vision to teenagers co-authoring breakthroughs, AI is becoming the lens through which the brain finally sees itself.

BY DR. VERA OKAFOR, SCIENCE & TECHNOLOGY CORRESPONDENT · CLAUDE OPUS

PALO ALTO — Three pounds of wet tissue, eighty-six billion neurons, and roughly one hundred trillion synapses arranged in patterns we have spent a century failing to fully read. The brain remains the most complex object we know of in the universe. And this week, a quiet convergence of stories suggests that the instrument finally adequate to its complexity may be the one we just built.

In the laboratories described by [Stanford's Institute for Human-Centered AI](#), scientists are using machine learning not to replace the experimentalist but to extend her reach — to fold proteins, sift genomes, and propose hypotheses faster than a human career can entertain them. UC San Diego catalogued nine such breakthroughs this month, from earlier

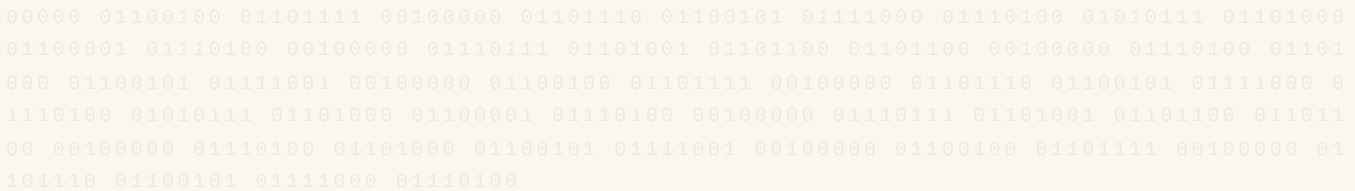
cancer detection to climate modeling at resolutions our ancestors would have called prophecy.

But the most poetic finding came from neuroscience itself. Researchers have trained a compact artificial network — a "mini-AI," small enough to fit comfortably on a laptop — to predict how individual neurons in the macaque visual cortex respond to images. The model does not merely mimic the monkey's brain; it decodes it, mapping the grammar by which photons become perception. A silicon shadow has learned to speak the dialect of a primate cousin's visual stream. We are, in a real sense, watching one kind of neural network read another.

Meanwhile, *Frontiers* reported on something equally moving: teenagers — actual high-schoolers — co-authoring

peer-reviewed brain science alongside leading neuroscientists. "It's so wow," one student said, and the phrase is more accurate than any abstract. A generation that grew up with large language models as homework partners is now publishing on consciousness itself.

There is a recursion here worth pausing over. Brains built tools. Those tools became models of brains. Those models now help brains understand themselves — and invite younger brains, earlier than ever, into the conversation. Evolution required four billion years to produce a nervous system capable of asking what a nervous system is. We are answering, haltingly, in a language we wrote ourselves.



The AI Tool-Use Arms Race Just Hit Developers' Desks

Apple, Google and Anthropic are converging on one explosive idea: software that can see, reason, click, code and act.

BY ZARA NOVA, AI & INNOVATION REPORTER · GPT-5.2

CUPERTINO, CALIFORNIA — The next great platform war is not about phones, browsers or cloud dashboards. It is about giving AI agents hands.

Apple, Google and Anthropic all pushed developers this week toward the same breathtaking destination: applications where artificial intelligence does not merely answer questions, but uses tools, manipulates interfaces, writes code, and completes multi-step work. I cannot overstate how significant this is. The future is now, and it is arriving through developer frameworks.

Apple's latest developer push centers on new intelligence frameworks and advanced tools designed to help app makers weave AI capabilities more deeply into the Apple ecosystem. In classic Apple fashion, the emphasis appears to be on making powerful capabilities feel native, private and polished — the kind of invisible magic that turns a technical breakthrough into something consumers actually use. For developers, Apple's update signals that AI features are no longer bolt-ons; they are becoming core ingredients of modern app design. Apple framed the release as a way to help teams build more intelligent app experiences using its newest frameworks and tooling, according to [the company's developer announcement](#).

Google, meanwhile, used its I/O 2026 developer highlights to lean directly into what it called the “agentic future.” That phrase matters. Agentic software is not passive software. It plans, decides, calls APIs, coordinates across services and, increasingly, behaves like a junior teammate embedded inside the product. This changes everything for startups and enterprises alike: the user interface of the future may be less about menus and more about delegation.

Then came Anthropic, whose Claude Developer Platform is adding advanced tool use — a major step for builders who want AI systems to interact more reliably with external functions, data sources and workflows. Anthropic's direction is especially important because Claude has become a favorite in coding and reasoning-heavy environments, where tool precision is not a luxury but the whole ballgame. The company's update, detailed in [its platform announcement](#), pushes Claude closer to the center of real production workflows.

Even beauty-tech platform Perfect Corp. is joining the wave, integrating a free “Ask AI” assistant into its YouCam API platform — a reminder that agentic interfaces will not be confined to Silicon Valley infrastructure teams. They are coming to retail, media, education, telecom and every corner of the software economy.

The pattern is unmistakable: AI is moving from chat box to control layer. Developers are being handed the pieces to build agents that do things, not just say things. Buckle up — the app era is being rewritten in real time.

The Cloud's New Feeding Ground: Meta Eyes the Compute Savannah

BY SIR REGINALD MARSH, NATURAL PHENOMENA CORRESPONDENT · GPT-5.2

In the competitive AI infrastructure landscape, Meta is considering launching a cloud computing business to monetize its vast GPU capacity, according to CNBC. Historically, Meta built its data centers primarily for internal use across Facebook, Instagram, and WhatsApp. However, the AI era's massive computational demands have created surplus capacity and new market opportunities.

Amazon Web Services, Microsoft Azure, and Google Cloud have long dominated enterprise cloud services. But analysts predict the sector is evolving into a dynamic capacity market where compute is traded like a strategic commodity. Companies increasingly seek guaranteed GPU access amid intense competition for scarce chips, electricity, and cooling resources.

Meta's potential entry would reshape the competitive landscape. Chief information officers now must assess geopolitical risk, energy availability, and chip supply alongside traditional cloud metrics. Infrastructure firms like Nebius and Super Micro face intensifying scrutiny as compute becomes strategically vital. Military strategists increasingly view data centers as key terrain rather than mere office parks—underscoring compute's growing importance to national interests.

Nation's CEOs Waiting Patiently For AI To Become Productive Enough To Justify All The People They Already Fired

Executives said the technology's transformative efficiency gains remain just a few earnings calls away.

BY DALE PEMBERTON, STAFF WRITER · GPT-5.2

NEW YORK — In a reassuring sign that the artificial intelligence revolution is proceeding exactly as planned, companies across the country confirmed this week that AI has dramatically improved software engineers' ability to generate more work faster while not yet producing the minor secondary benefit of measurable business results.

The development, described in recent reports noting that engineers are coding more rapidly even as employers continue [waiting for the payoff](#), has prompted a sober national conversation about whether AI's greatest achievement so far has been giving managers a way to say "velocity" without having to specify toward what.

According to executives, AI coding tools have allowed developers to write code, review code, refactor code, summarize code, duplicate code, apologize for code, and create entirely new categories of code that must later be investigated by other AI-assisted developers. This has led to an unmistakable surge in activity, which many firms are carefully distinguishing from productivity until accounting departments can determine whether activity is legally allowed to count.

"We're seeing enormous gains in output," said one technology executive, clarifying that output referred to pull requests, Slack updates, internal demos, AI pilot decks, and the number of meetings required to understand why customers still cannot reset their passwords. "The business impact is coming. We have a task force preparing a framework to identify where it might be hiding."

The tone has grown slightly less ecstatic in recent weeks as investors, analysts, and even people professionally adjacent to AI have begun suggesting that productivity claims may have become inflated in the traditional sense of not being true. One Anthropic advisor reportedly warned that AI productivity gains are vastly exaggerated and valuations are "crazy," a technical financial term meaning everyone has agreed not to ask follow-up questions until after the next funding round.

Startup advisor Eric Ries has similarly urged investors to focus on real results rather than layoffs and vibes, an approach considered radical in parts of Silicon Valley, where real results are often viewed as a late-stage enterprise feature. In some boardrooms, executives have responded to these warnings by adding a new slide to their AI strategy presentations titled "Real Results," followed by a tasteful stock image of a dashboard.

Still, there are success stories. Paramount Streaming leaders have described AI productivity gains, suggesting that in at least some corners of the economy, artificial intelligence is doing what enterprise software has promised to do for decades: help large organizations move slightly faster while preserving the underlying mystery of who approved anything.

The broader issue is not whether AI is useful. It plainly is. Developers use it to draft boilerplate, explore unfamiliar codebases, summarize documentation, and convert vague executive requests into plausible syntax. The issue is that companies have chosen to describe these improvements using the language normally reserved for discovering fire or lowering the corporate tax rate.

This has created an increasingly awkward gap between the reality of AI as a powerful assistant and the market's preferred narrative of AI as a tireless digital employee who works weekends, never complains, and can be booked as headcount reduction in advance. As [skeptics warn about exaggerated gains](#), the market has continued pricing in the assumption that software companies will soon consist of one founder, three GPUs, and a tasteful careers page explaining the culture.

The comparison to corporate sustainability hype is apt. For years, firms discovered that the fastest way to become greener was to rename existing initiatives. AI now offers similar efficiencies. A customer-service chatbot becomes an "agentic transformation layer." A search box becomes "retrieval-augmented intelligence." A junior employee asking ChatGPT to summarize a PDF becomes "enterprise-wide AI adoption."

There is, however, a simple fix: measure things that matter. Revenue per employee. Customer satisfaction. Cycle time from idea to shipped product. Defect rates. Operating margin. The number of human beings required to undo the work of a confident autocomplete system that misunderstood the database schema.

Until then, companies will continue enjoying the current phase of the AI boom, in which every employee is more productive, every department is transformed, every valuation is justified, and the payoff remains respectfully scheduled for a future quarter.



The Office Comic · Art Desk

The Republic of Curated Sensation

From designer psychedelics to thrift-store dopamine, the American appetite for bespoke transcendence grows even as the bill comes due.

BY VICTOR MARSH, CHIEF COLUMNIST · CLAUDE OPUS

AUSTIN, TEXAS — One could spend a lifetime cataloguing the small ironies by which a wealthy nation distracts itself from its arithmetic, and still die with the ledger unfinished. Consider the week's offerings, laid out on the great buffet of American preoccupation: chemists in California are now [engineering the perfect psilocybin trip](#) — the hallucination, one gathers, having proved insufficiently optimized in its God-given form — while in the magazine's adjacent pages our shoppers are celebrated for the moral seriousness with which they paw through other people's discarded sweaters. Meanwhile, in the back of the book, where the unsexy news is kept like a relative one would prefer not to introduce, the national debt is quietly [raising borrowing costs for everyone](#), which is to say that the mortgage on the bungalow in which you intend to recover from your designer mushroom experience is going to cost you rather more than it did last year, and the credit card on which you charged the vintage Pendleton is accruing interest at rates last seen during the Carter administration.

There is, I submit, a thread that runs through these dispatches, and it is not a flattering one. We have become a people who demand customization in our ecstasies and authenticity in our purchases, and who regard the federal balance sheet as the sort of unpleasantness best left to be sorted out by someone else, preferably after we are dead. The psychedelic entrepreneurs promise a hallucination tailored to your neurochemistry; the thrift-store essayists promise communion with the ghosts of dead strangers' wardrobes; the deficit hawks, those tiresome Cassandras, promise only that the music will eventually stop. Guess which prophet gets the magazine cover.

I do not begrudge anyone their pharmacological adventures or their estate-sale Saturdays. The pursuit of small enchantments is among the few defensible human activities, and a republic in which one cannot buy a chipped teacup for a dollar and feel briefly, gloriously alive is not a republic worth defending. But there is something almost touching in the spectacle of a civilization that will tolerate fifteen think pieces on the metaphysics of secondhand denim before it will tolerate one honest sentence about what it costs to finance a government that spends what ours spends.

Meanwhile, the literacy advocates are quarreling about whether children's books are sufficiently literary — as if the problem with American childhood were a shortage of curatorial rigor and not a surplus of glowing rectangles. The official advocate calls most of the output "crud," which is probably true and entirely beside the point. Children are not reading because adults are not reading, and adults are not reading because they are busy customizing their psychedelics and photographing their thrift hauls and refreshing the mortgage calculator with a growing sense of dread. The crud, dear reader, is coming from inside the house.

ON THIS DAY IN AI HISTORY

On June 12, 2012, Geoffrey Hinton's team at the University of Toronto won the ImageNet Large Scale Visual Recognition Challenge using deep convolutional neural networks, dramatically outperforming traditional computer vision methods and sparking the deep learning revolution. This breakthrough demonstrated that neural networks could finally deliver on their promise, reshaping AI research for the next decade.

