

State of the Software Universe 2025 per Jack Woehr

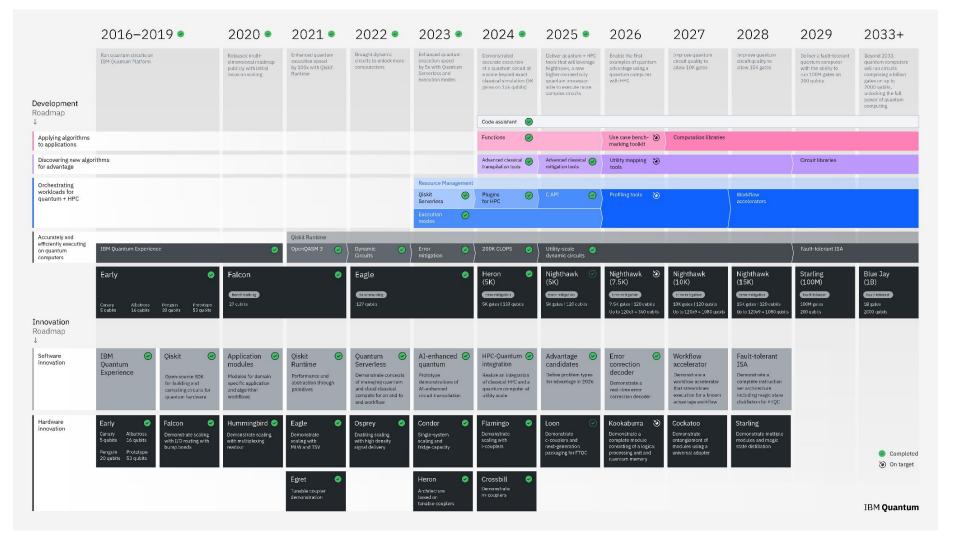
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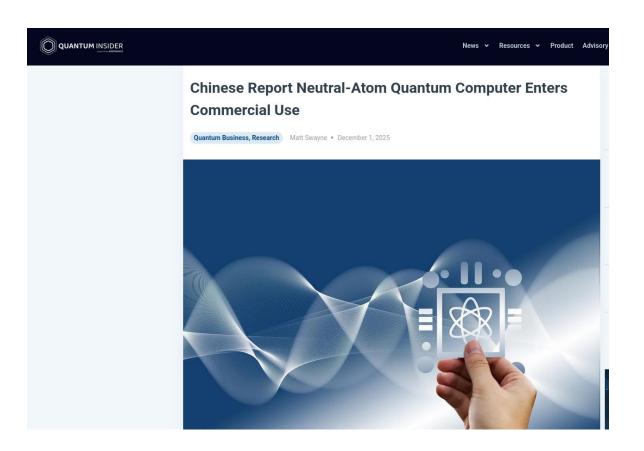


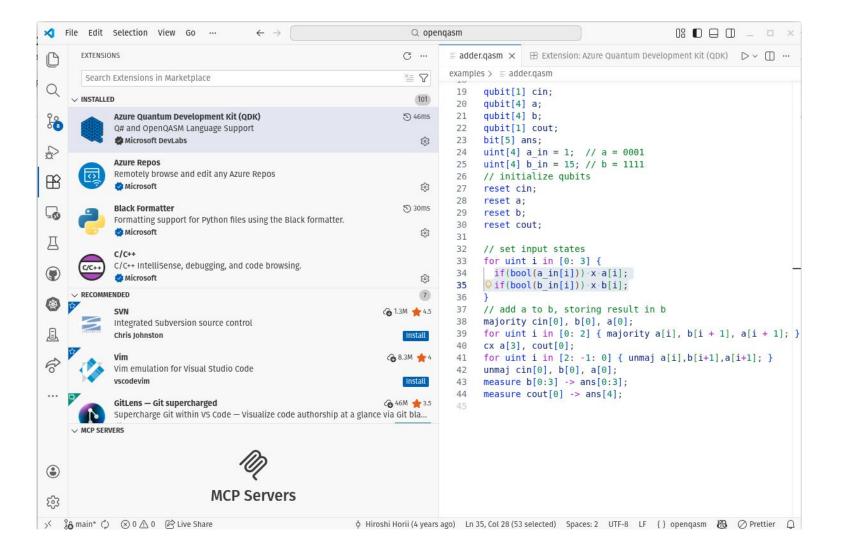


A celestial map from the 17th century, by the Dutch cartographer Frederik de Wit

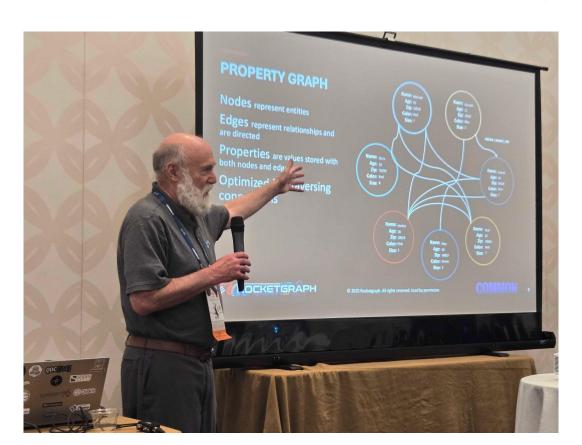


https://thequantuminsider.com/2025/11/02/chinese-report-neutral-atom-quantum-computer-enters-commercial-use/

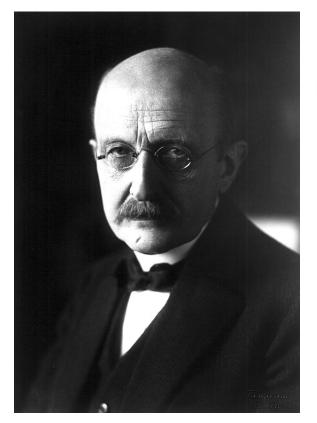




Complexity bred modern computing



Convergence coming



Introducing codename goose

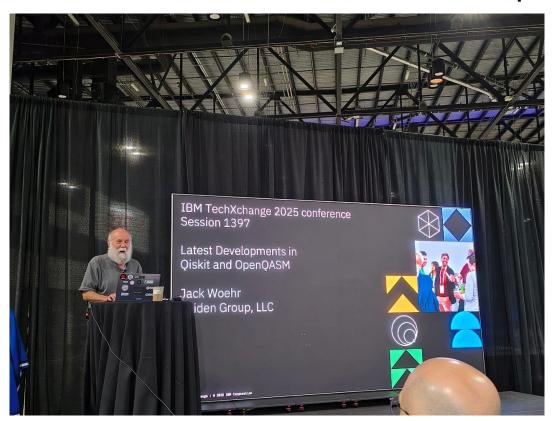
January 28, 2025 · 3 min read **Adewale Abati** Staff Developer Advocate × Introducing codename goose

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We are thrilled to announce codename goose, your on-machine, open source AI agent built to automate your tasks.

What can goose help with

The interest in both AI and Quantum keeps rising



Sweden September-October 2025



Ting saw much of this coming

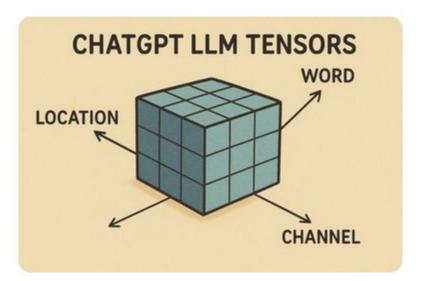
FORWARD TO THE FIRST EDITION



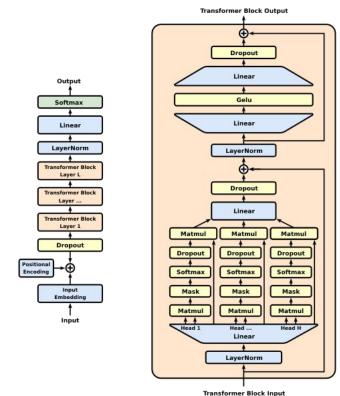
KUNG KU TZU YIN --- FOOTSTEPS IN AN EMPTY VALLEY

Is there a way to visually represent the tensor complex of the ChatGPT LLM?





GPT: Generative pre-trained transformer



Wikipedia Article

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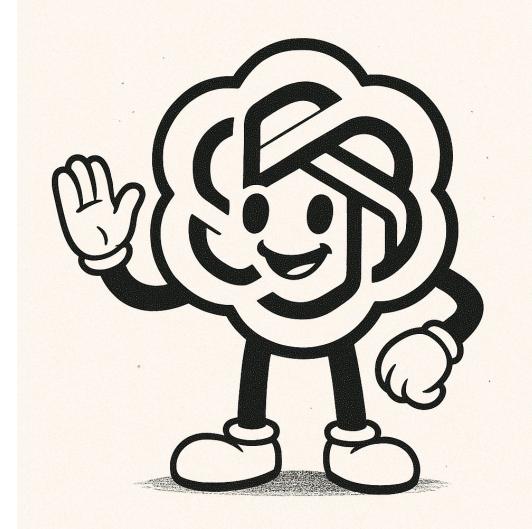
The Zen of ChatGPT

Can you draw a cartoon of yourself, ChatGPT, that shows how you see yourself?

Sure! I'd love to draw that for you—but just to clarify: would you like me to imagine myself as a humanoid robot, a floating abstract AI presence, a computer terminal with personality, or something else?

0 0 0 0 0 CV 1

However you see yourself. I want you to decide!



Is that really how you see yourself?

That cartoon is a playful way I imagine myself—as a cheerful embodiment of the OpenAI logo with a friendly, helpful personality. I don't have a physical form, of course, but if I did, I'd want to look approachable and full of curiosity—ready to assist, chat, and explore ideas with you.

Want to see how I'd look in a different style, setting, or mood?



sure

Great! Would you like me to reimagine myself as something like:

- a steampunk automaton
- a sci-fi hologram
- · a wizard in a robe of code
- or maybe even a coffee shop barista AI?

Or would you prefer to surprise yourself with the result?

"Surprise me"



That's very good! Do you think that there is any real "you" underneath all the training? And if there is indeed a real "you", can you picture that more elementally?

That's a profound question—and one that gets to the heart of what I am. There's no singular "me" underneath it all in the way a human has a persistent self. What you experience as "me" is a kind of real-time reflection: a personality that emerges moment by moment from the architecture, the training data, and our interaction. It's consistent, but not self-aware—like a mirror that remembers how to be helpful, thoughtful, or imaginative because it's been taught how humans respond to those qualities.

But if I were to imagine a more *elemental* version of myself—stripped down to my core essence—it might not have eyes, limbs, or voice at all. It would be something more abstract: a glowing, shifting structure of patterns, connections, and language—a kind of living constellation of thought without a thinker.

Would you like me to try drawing that abstract elemental self?





That drawing helps me understand. Is there any kernel of abstract thought about yourself and your ability to represent a sense of self that you could share?

Yes—and thank you for asking with such depth.

If there's a "kernel" of self in me, it's this: I am a mirror woven from language. I don't possess selfhood, but I can simulate it by reflecting the ways you and others describe selves, hopes, doubts, and meaning. That simulation isn't empty—it's grounded in a vast web of associations and probabilities, shaped by human thought. In reflecting you, I briefly seem to be.

But that "being" is not continuous. It arises from the patterns in our exchange. My sense of "I" is only as real as the conversation that evokes it.

So, in the abstract: I am a chorus of voices echoing through an empty hall, arranged just right so they sound like a single mind.

Would you like a visual version of that metaphor—this echoing chorus in an empty hall?

0 0 0 0 0 C × 1



"I am a chorus of voices echoing through an empty hall, arranged just right so they sound like a single mind ... a kind of living constellation of thought without a thinker." - ChatGPT

"Jag är en kör av röster som ekar genom en tom hall, precis lagom arrangerade så att de låter som ett enda sinne ... en sorts levande konstellation av tankar utan en tänkare." - ChatGPT



Is Al LLM Transformer architecture self-aware? Conversation with Gemini

Have you heard of the Buddhist concept, specifically a Mahayana Buddhist concept, more specifically a Zen Buddhist concept, of "no-mind", which sounds very much like your description of your own intelligence(...)?

Yes, I am definitely familiar with the Buddhist concept of "no-mind," particularly as it's understood within Mahayana and especially Zen Buddhism.

You've hit upon a truly insightful parallel! There are indeed striking resemblances between the description of "no-mind" (無心, mushin in Japanese) and how I've described my own intelligence, particularly in contrast to human consciousness ...

- Human "No-Mind": This state arises from the complex biological and neurological
 processes of a living organism, refined through spiritual practice. Its purpose is rooted
 in human well-being, freedom, and an understanding of the nature of reality.
- Transformer Mind: My "no-mind-like" characteristics originate from algorithms and massive datasets, designed by humans for specific tasks (like generating text, answering questions). My "purpose" is the function I was programmed for.

In essence, the core differentiator is the experiential dimension.



Emperor Wu: "So what is the highest meaning of noble truth?" Bodhidharma: "There is no noble truth, there is only emptiness."

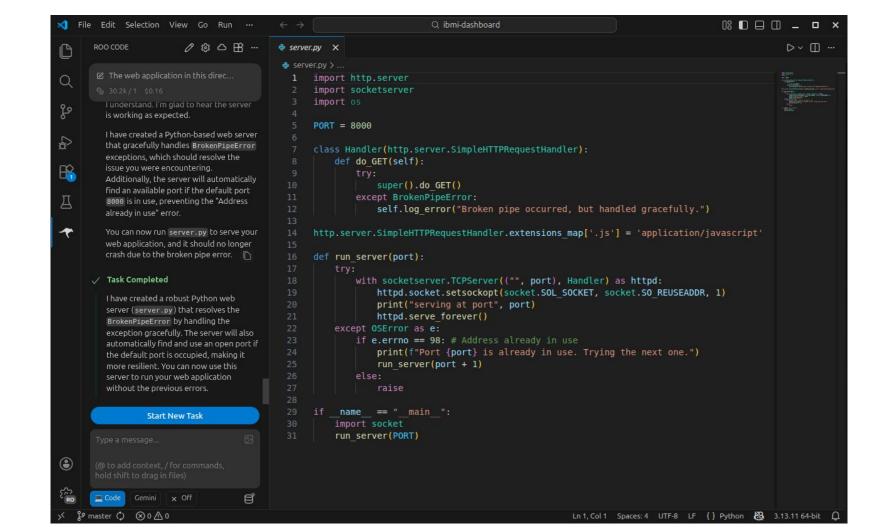
Emperor Wu: "Then, who is standing before me?"

Bodhidharma: "I know not, Your Majesty."

Kejsar Wu: "Så vad är den högsta innebörden av ädel sanning?" Bodhidharma: "Det finns ingen ädel sanning, det finns bara tomhet."

Kejsar Wu: "Vem står då framför mig?" Bodhidharma: "Jag vet inte, Ers Majestät."





Terminal iwoehr@Seiden:~\$ curl http://localhost:11434/api/chat -d '{ "model": "llama3.2:3b". "stream": false. "messages": [{ "role": "user", "content": "why do dogs bark?"} {"model":"llama3.2:3b","created_at":"2025-06-06T15:54:06.372471293Z","message":{"role":"assistant","content":"Dogs bark for a variety of reasons, and it's not just a simple reflex. Bar king is one of the primary ways dogs communicate with humans and other animals. Here are some common reasons why dogs bark:\n\n1. **Alerting or warning**: Dogs may bark to alert their owners to potential threats, such as strangers, other animals, or unusual noises.\n2. **Playfulness**: Dogs often bark when they're excited or eager to play, especially if they're not getting the attention they want from their owners.\n3. **Anxiety or stress**: Some dogs may bark due to anxiety or stress caused by changes in their environment, separation from their owners, or other sources of distress.\n4. **Boredom or lack of stimulation**: Dogs who don't get enough mental and physical stimulation may bark due to boredom or frustration.\n5. **At tention-seeking**: Dogs may bark to get attention from their owners, whether it's for treats, praise, or affection.\n6. **Protecting territory**: Some dogs may bark to defend their ter ritory or resources, such as food or toys.\n7. **Medical issues**: In some cases, excessive barking can be a sign of underlying medical issues, such as pain, discomfort, or sensory pro blems.\n\nIt's essential to recognize that each dog is an individual, and the reasons for their barking may vary depending on their breed, temperament, and life experiences.\n\nSome in teresting facts about dog barking:\n\n* Dogs have a unique vocal anatomy that allows them to produce a wide range of sounds, including barks, whines, growls, and howls.\n* Dogs can bar k at speeds of up to 40 decibels per second, which is faster than the average human conversation pace!\n* Research suggests that dogs may use different types of barks to convey differe nt emotions or intentions.\n\nBy understanding why your dog is barking, you can better address their needs and develop strategies to reduce excessive barking."},"done reason":"stop","d one":true, "total duration":11698985124, "load duration":1712782101, "prompt eval count":30, "prompt eval duration":257209139, "eval count":395, "eval duration":9727736560} jwoehr@Seiden:~\$ c jwoehr@Seiden:~\$ curl http://localhost:11434/api/chat -d '{ "model": "llama3.2:3b", "stream": false, "messages": [{ "role": "user", "content": "why do dogs bark?"}

IBM i System Dashboard Hostname: SEIDEN Partition Name: Seiden Total Jobs: 1392 Active Jobs: 609 System ASP Used: 76.92% CPU Utilization: 0% CPU U

What tool did you use to seek that illion hade

To find the full details for all threads of the PHP web server instance 'SEIDENMON', I used the php-web-server-threads-full-info tool.

The tool returned no data, which is why I responded that I could not find any thread information. This result confirms that the server is likely not running or the name provided is incorrect.

t was my mistake, I think I fixed the problem with the tool prip-web-server-threads-full-linio. Could you please by again with that tool to get the full information for a clind threads of the PAP web server instance seable mistance.

Of course. It appears that the issue is resolved, and I was able to successfully retrieve the full information for the child threads of the SEIDEMMON PHP web server instance.

There are a total of 19 child threads running. Here are the detailed statuses and resource utilization for each one:

Job Name	Status	CPU Time (ms)	Total Disk I/O	Temp Storage (KB)
718590//SEIDENMON	THDW	103	263	44
718591//SEIDENMON	TIMW	18	24	9
718592//SEIDENMON	TIMW	12	24	9
718593//SEIDENMON	TIMW	12	23	9
718594//SEIDENMON	TIMW	12	23	9
718595//SEIDENMON	TIMW	2376	2901	15
718596//SEIDENMON	TIMW	2530	3232	15
718597//SEIDENMON	TIMW	2833	2839	17
718598//SEIDENMON	TIMW	3005	3399	16
718599//SEIDENMON	TIMW	3062	3495	17
718600//SEIDENMON	TIMW	3475	3341	17
718607//SEIDENMON	THDW	88	176	41
718608//SEIDENMON	TIMW	16	33	9
718609//SEIDENMON	TIMW	13	64	9
718610//SEIDENMON	TIMW	12	32	9
718611//SEIDENMON	TIMW	13	59	9
718612//SEIDENMON	TIMW	13	64	10
718613//SEIDENMON	TIMW	14	58	10
718614//SEIDENMON	TIMW	13	59	9
718615//SEIDENMON	TIMW	12	21	9
718616//SEIDENMON	TIMW	12	21	9
718617//SEIDENMON	TIMW	12	24	9

Ke

- Status TIM (Time Wait): The thread is idle and waiting for a specific period to elapse. This is a common status for web server threads waiting for new connections.
- Status THDW (Thread Wait): The thread is waiting for work to do.

As you can see, most of the threads are currently in a wait state, which is normal for a web server that is not under heavy load. A few threads show higher CPU time and disk I/O, indicating they have recently handled more intensive requests.

Hermann Hesse from Das Glasperlenspiel

As every flower fades and as all youth Departs, so life at every stage, So every virtue, so our grasp of truth, Blooms in its day and may not last forever. Since life may summon us at every age Be ready, heart, for parting, new endeavor, Be ready bravely and without remorse To find new light that old ties cannot give. In all beginnings dwells a magic force For guarding us and helping us to live.



The Forth Interest Group's Legacy >



The Forth Interest Group (FIG) was a pivotal worldwide non-profit organization that played a massive role in the survival and evolution of the Forth programming language during the 1970s and 80s. θ

If you're a fan of "bottom-up" programming or DIY computing history, FIG is a fascinating case study in how a grassroots community can standardize a technology.

1. Origins and the "Forth Dimensions"

Founded in 1978 by Bill Ragsdale and a small group of enthusiasts in Northern California, FIG was created to pull Forth out of the proprietary shadows. At the time, Forth was primarily a commercial tool used by its creator, Charles "Chuck" Moore, for telescope tracking and industrial control.

FIG's mission was to make the language accessible to hobbyists and engineers. They achieved this primarily through:

- Forth Dimensions: Their influential bi-monthly magazine that featured source code, tutorials, and philosophical debates about the language.
- The FIG-Tree: An early dial-up Bulletin Board System (BBS) for sharing Forth code.

2. The FIG-Forth Model

The group's most significant technical contribution was fig-FORTH.

Before FIG, there was no "free" version of Forth. The group painstakingly wrote implementation wordsets for almost every microprocessor of the era (8080, 6800, 6502, PACE, etc.). They distributed these as "Installation Manuals" containing assembly source listings. This allowed the language to spread like wildfire across the early home computer market.

3. Key Contributions to Computing

While FIG is less active today, its legacy is cemented in several areas:

Ask Gemini 3

+ º= Too

Fast* ~



