

The AI arms race between the US and China is heating up

Description

In the quest for **global dominance** in the burgeoning field of Artificial Intelligence (AI), an often-overlooked skirmish unfolds. Beyond the headlines of tech billionaires' grandiose AI aspirations lies a **subtle war** between world superpowers, the United States and China.

Both nations are **meticulously strategizing** to dominate every aspect of AI, from intellectual prowess in designing AI hardware and software to securing the **raw materials** essential for these systems. They are keenly deploying government **subsidies** to foster the growth of this transformative technology.

Frank Long, a luminary at Goldman Sachs' Office of Applied Innovation, notes that the US currently leads in generative AI systems development, such as extensive language models. However, China is not significantly trailing.

China is **astutely** maneuvering its chess pieces, implementing export restrictions on crucial chipmaking metals and purportedly allocating a massive \$27 billion for major AI projects. Amidst this technological arms race, the scramble for AI **talent** intensifies, not just among corporations but also between these global behemoths.

At the recent Web Summit technology conference in Doha, Qatar, the consensus was that while the US and China are at the forefront of AI, the future remains **unpredictable**. Singapore's meteoric rise in the AI realm underscores that the battle for AI supremacy is far from a binary US-China **duopoly**.

"It's not going to be a straightforward horse race," Long remarks, emphasizing a "full stack" competition for the resources—energy, computing power, data, and models—crucial for AI systems.

As AI reshapes our world, countries like the United Kingdom, the United Arab Emirates (UAE), Israel, Japan, the Netherlands, and South Korea are **escalating** their investments in this technology. The development endeavors of Japan and South Korea, alongside Singapore's **ascension**, highlight AI's capacity to redraw global power contours. In Europe and the Middle East, other potential AI hubs are emerging.

Though state **subsidies** and export bans currently play a pivotal role, Jihad Tayara, CEO of Evoteq, posits that the digital divide is narrowing swiftly, thanks to widespread access to high-speed 5G data capabilities.

With the proliferation of open-source models, AI development and implementation have become increasingly accessible.

Ultimately, the race for AI supremacy hinges on a fierce competition for talent, resources, and foresight. The eventual victors will be those nations that not only push technological boundaries but also cultivate a workforce adept at harnessing this transformative technology.

"This opportunity is invisible without the right people," states Abdulaal, head of the Digital Cooperation Organization, capturing the essence of the global race for AI mastery.



Vocabulary Insights:

- **Global dominance** (/ˈɡloʊbəl ˈdɒmɪnəns/, Noun Phrase): The state of being superior to all others in authority, power, or status on a worldwide scale.
- **Subtle war** (/sʊtəl wɔːr/, Noun Phrase): A conflict or competition that is not obvious or direct.
- **Meticulously strategizing** (/mɪtʃjʊlɪˈstrædʒaɪzɪŋ/, Verb Phrase): Planning or devising a strategy with great care and attention to detail.
- **Raw materials** (/rəʊ mæˈtɪəriəlz/, Noun Phrase): The basic material from which a product is made, essential for manufacturing processes.
- **Subsidies** (/sʊbsɪˈdɪz/, Noun): Financial support granted by the government to assist an industry or business so that the price of a commodity or service may remain low or competitive.
- **Astutely** (/əˈstjuːtli/, Adverb): In a manner showing an ability to accurately assess situations or people and turn this to one's advantage.
- **Talent** (/ˈtælənt/, Noun): Natural aptitude or skill.
- **Unpredictable** (/ʌnprɪˈdɪktəbəl/, Adjective): Not able to be predicted; changeable.
- **Duopoly** (/djuːˈpɒli/, Noun): A situation in which two suppliers dominate the market for a commodity or service.
- **Escalating** (/ˈeskəleɪtɪŋ/, Verb): Becoming or causing to become more intense or serious.
- **Ascension** (/əˈsenʃən/, Noun): The act of rising to an important position or a higher level.
- **Subsidies** (/sʊbsɪˈdɪz/, Noun): Financial support granted by the government to assist an industry or business so that the price of a commodity or service may remain low or competitive.

Vocabulary List:

1. **Global dominance** // (Noun Phrase): The state of being superior to all others in authority power or status on a worldwide scale.
2. **Subtle war** // (Noun Phrase): A conflict or competition that is not obvious or direct.
3. **Meticulously strategizing** // (Verb Phrase): Planning or devising a strategy with great care and attention to detail.
4. **Raw materials** // (Noun Phrase): The basic material from which a product is made essential for manufacturing processes.
5. **Subsidies** // (Noun): Financial support granted by the government to assist an industry or business so that the price of a commodity or service may remain low or competitive.
6. **Astutely** // (Adverb): In a manner showing an ability to accurately assess situations or people and turn this to one's advantage.

Vocabulary quizzes



Multiple Choice (Select the Correct answer for each question.)

1. Which word means showing a willingness to take surprisingly bold risks?
Option: Audacious
Option: Diminution
Option: Assuage
Option: Rebuff
2. Which term refers to the action of investing money back into a project or business?
Option: Anticipated
Option: Tainted
Option: Reinvestment
Option: Revelation
3. A person who exposes secretive information is known as a:
Option: Impetus
Option: Recalibration
Option: Whistleblower
Option: Advancing
4. Which term describes someone who is willing to take risks in order to start new businesses?
Option: Jubilantly
Option: Pioneering
Option: Entrepreneurial
Option: Expedition
5. Which word means refusing to give in or compromise?
Option: Unyielding
Option: Invaluable
Option: Viral
Option: Exponentiate
6. What term describes rapid growth or reproduction of something?
Option: Ascension
Option: Global dominance
Option: Subtle war
Option: Proliferate
7. Which word means a sudden and large increase in something?
Option: Meticulously strategizing
Option: Raw materials
Option: Subsidies



Option: Surge

8. What term means having or showing an ability to accurately assess situations or people?

Option: Advancing

Option: Jubilantly

Option: Astutely

Option: Pioneering

9. Which word means to make an unpleasant feeling less intense?

Option: Expedition

Option: Unyielding

Option: Assuage

Option: Invaluable

10. Which term refers to something expected or predicted?

Option: Viral

Option: Exponentiate

Option: Anticipated

Option: Recalibration

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. A _____ in the funds allocated to the project led to delays.

12. Some companies aspire to achieve _____ in their industry.

13. The mentor's advice was _____ to the success of the young entrepreneur.

14. The video went _____ on social media platforms reaching millions of views.

15. His rapid _____ within the company surprised many of his colleagues.

16. The ongoing competition between the two tech giants resembled a _____ for dominance.

17. The team spent days _____ their next move to outmaneuver the competition.

18. The factory required a steady supply of _____ to maintain production levels.

19. The technology sector is constantly _____ with new innovations and breakthroughs.



20. By leveraging digital marketing the company aimed to _____ its customer reach.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. The unexpected about the company's true financial situation shocked investors.
22. The new policy served as the for businesses to adopt more sustainable practices.
23. The team celebrated after winning the championship.
24. The company is known for its work in developing cutting-edge technology.
25. The researchers set out on an to study the rare species in the remote jungle.
26. The company needed to undergo a process of to realign its goals with market demands.
27. Government helped lower the cost of renewable energy projects.
28. The in customer complaints indicated an improvement in product quality.
29. The company's revenue growth was higher than for the quarter.
30. The scandal the reputation of the once-respected politician.

Answer

Multiple Choice: 1. Audacious 2. Reinvestment 3. Whistleblower 4. Entrepreneurial 5. Unyielding 6. Proliferate 7. Surge 8. Astutely 9. Assuage 10. Anticipated

Gap-Fill: 11. Diminution 12. Global dominance 13. Invaluable 14. Viral 15. Ascension 16. Subtle war 17. Meticulously strategizing 18. Raw materials 19. Advancing 20. Exponentiate

Matching sentence: 1. Revelation 2. Impetus 3. Jubilantly 4. Pioneering 5. Expedition 6. Recalibration 7. Subsidies 8. Diminution 9. Anticipated 10. Tainted

CATEGORY

1. Business - LEVEL6

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