Future Innovation

Artificial Intelligence

Virtual Reality

Sustainable Development

Equations for quantum neural networks

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Abstract

In the field of machine learning, quantum neural networks play an important and forward-looking role. Here is a brief introduction to the importance of quantum neural networks in the field of machine learning and their applications in solving real-world problems:

1. The importance of quantum neural networks:

Quantum advantage: Quantum neural networks take advantage of quantum computing, such as ultra-dense coding, quantum transmission, etc., and can handle a large number of complex problems, surpassing the limits of traditional computing.

Efficiency: Quantum neural networks perform well when processing big data and high-dimensional data, providing faster and more effective learning and prediction capabilities.

Innovative applications: The introduction of quantum neural networks has brought new thinking and methods to the field of machine learning, opening up new possibilities for dealing with complex problems.

2. Application in solving real-world problems:

Drug Design: Quantum neural networks can be used in drug design and molecular simulation to help speed up the new drug development process.

Financial field: In the financial industry, quantum neural networks can be applied to predict market fluctuations, risk management and portfolio optimization.

Internet of Things (IoT): The application of quantum neural networks in the field of IoT can improve equipment monitoring, data analysis and intelligent decision-making systems.

By combining the power of quantum computing with the flexibility of neural networks, quantum neural networks bring revolutionary possibilities to the field of machine learning and show great potential in solving complex real-world problems. This combination brings new thinking and methods to the fields of machine learning and artificial intelligence, promoting the continuous progress and innovation of technology.

Keywords: Large Language Models, Neural network

Model

Afs-turbo

180,000 Token semantic units

AFS-QUTUM

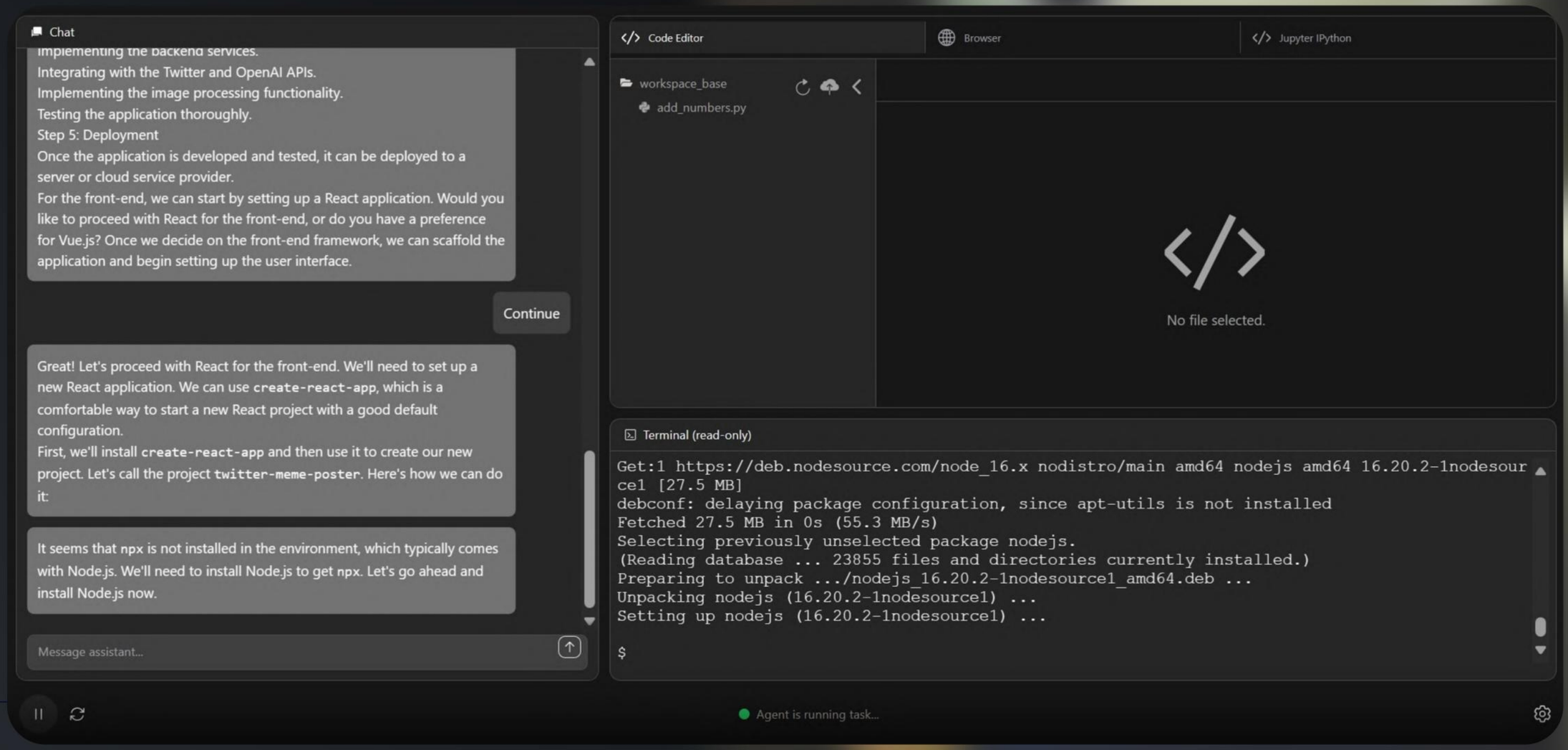
1M Token semantic unit

AFS-ATOM (LITE)

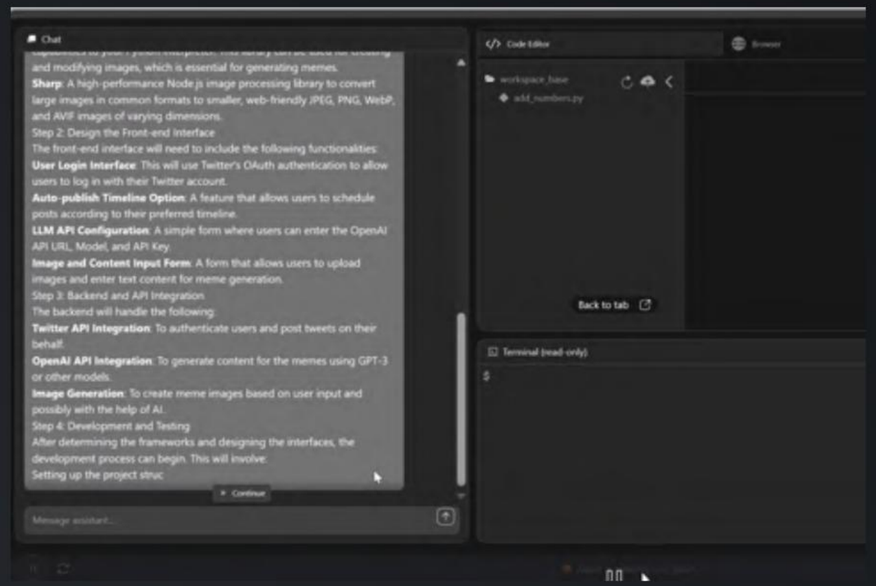
680,000 Token semantic units

Generative AI Access

Importance of Automated Tasks



Application scenario examples

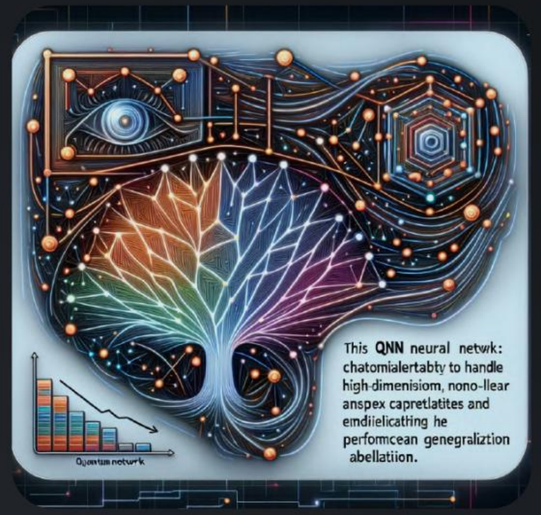


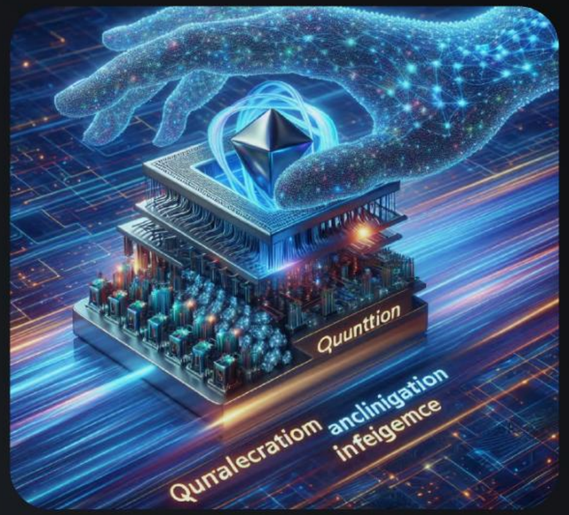
Develop APP

AI Digital Virtual Conference

Artificial Intelligence Robot

QNN





Processing complex

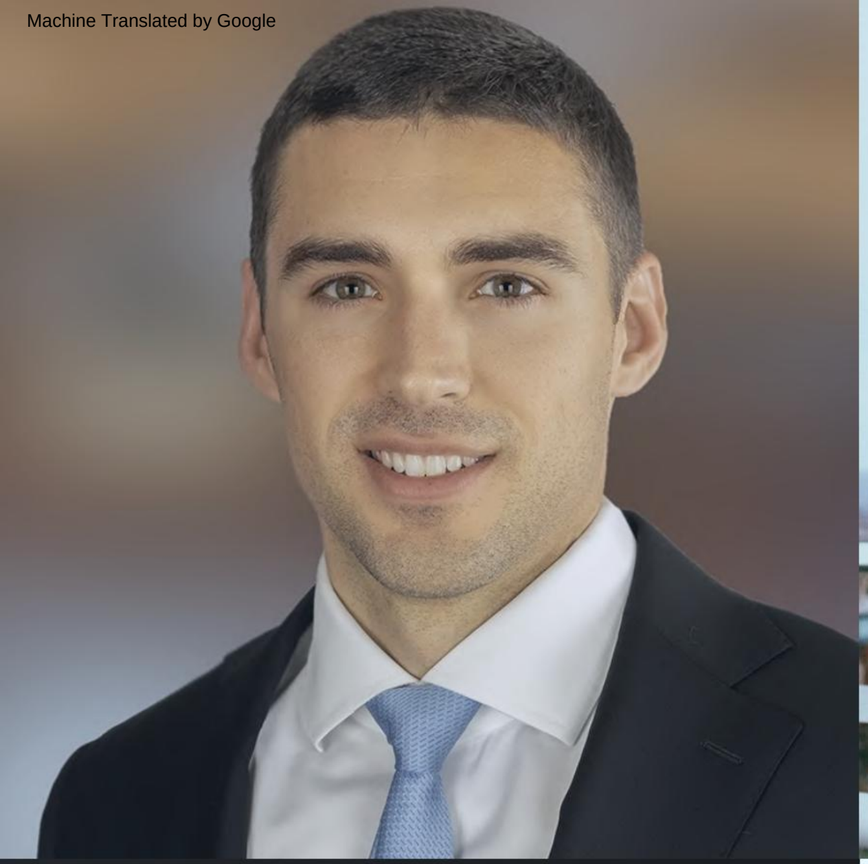
data: QNN's ability to process high-dimensional, nonlinear, and complex data can help LLM better capture the complex relationships and patterns between data and improve the performance and generalization ability of the model.

Accelerate training and reasoning:

The parallelism and entanglement properties of quantum computing can accelerate the training and reasoning process of neural networks, thereby improving the efficiency and speed of the model.

Exploring new model structures:

QNN combines quantum computing principles and neural network structures to help researchers explore new model structures and algorithms to bring new possibilities and breakthroughs to the development of LLM.

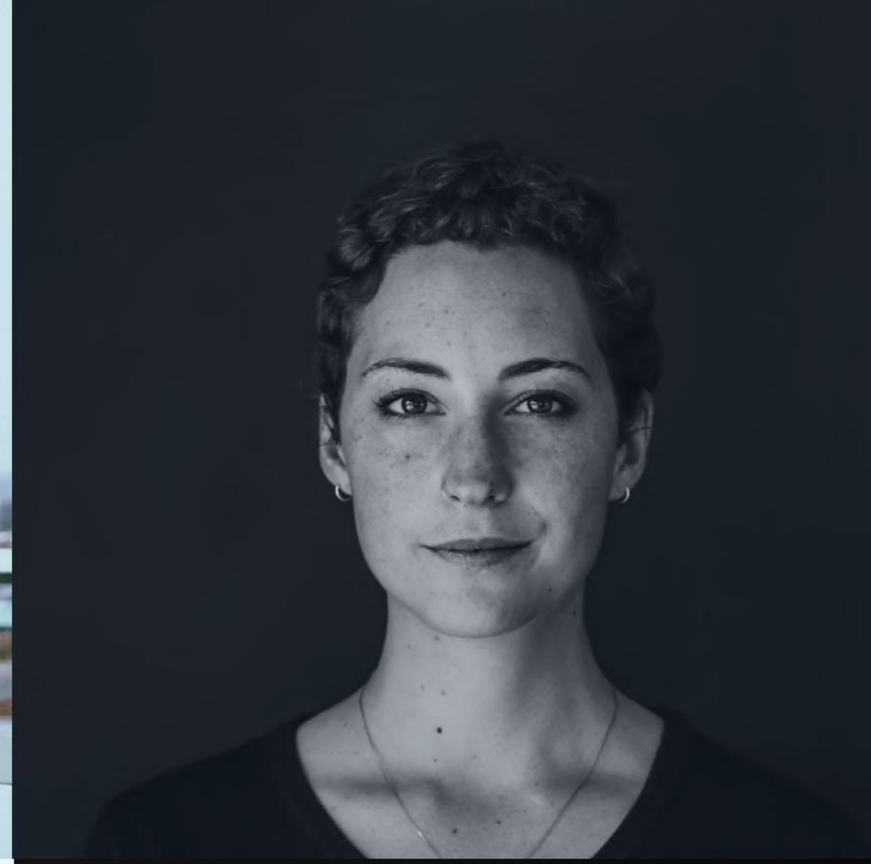


“This incredible AGI solution has transformed the way we operate, bringing us more efficient and intelligent workflows, allowing us to process tasks faster, improve team collaboration, and achieve more success.”

ETHAN JOHNSON
Construction Lawyer

“Thanks to Afarensis’ data analytics capabilities, he can make more informed decisions. The improvement in efficiency in strategic planning and business development based on real-time data and trends has exceeded our expectations.”

LIAM PARKER
Candidate Real Estate Practitioner



“The AFS-1-Turbo LLM trial has been a game changer for our business. Previously we had to compare articles manually, but now because of the extended context, LLM can recognize the entire report, saving a lot of unnecessary labor. ”

OLIVIA THOMPSON
WISE CDT External Reviewer

timeline

2024

2025

JUL AUG SEPT OCT NOV DEC JAN FEB MAR APRIL MAY JUN JUL AUG S

Overseas market development

Data training

Sustainable Urban Development Initiative

AFS-QUTUM

Trial Launch

team

Meet

Meet the ideas driving the Australopithecus Institute. Today we present the future of artificial intelligence, virtual reality and sustainable urban development.

Leon Chau

Kc Chan

Bishal Ghimire

Jenny Wu

Sampson Quan

Gitam Gadtaula

Michael Tarimo

John Carter

Market growth chart

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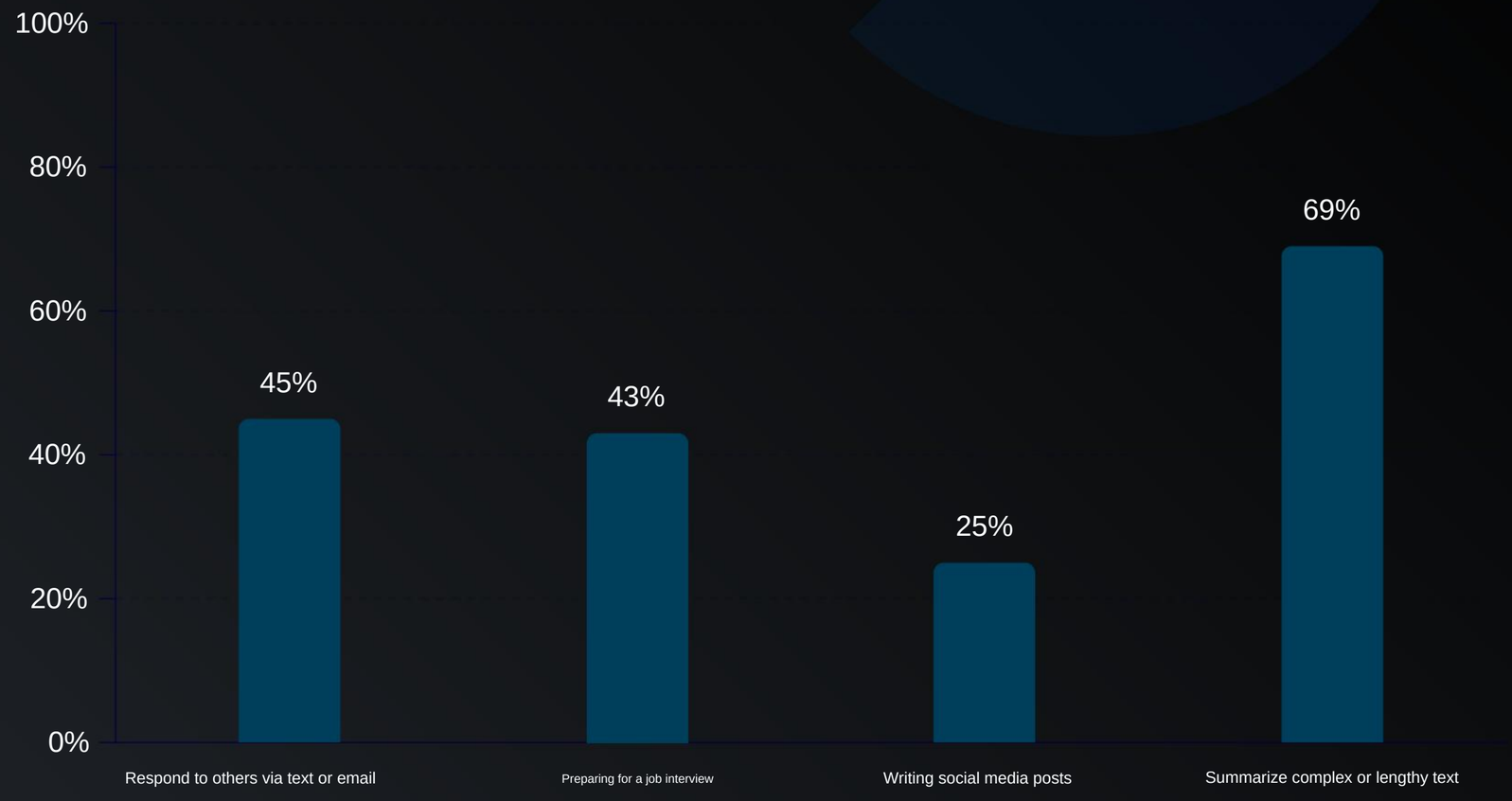
Today’s market is witnessing significant surge in the adoption of AI technologies, revolutionizing industries and creating new opportunities. This bar chart elegantly illustrates the unstoppable growth of strong AI in shaping the future of business and society.



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