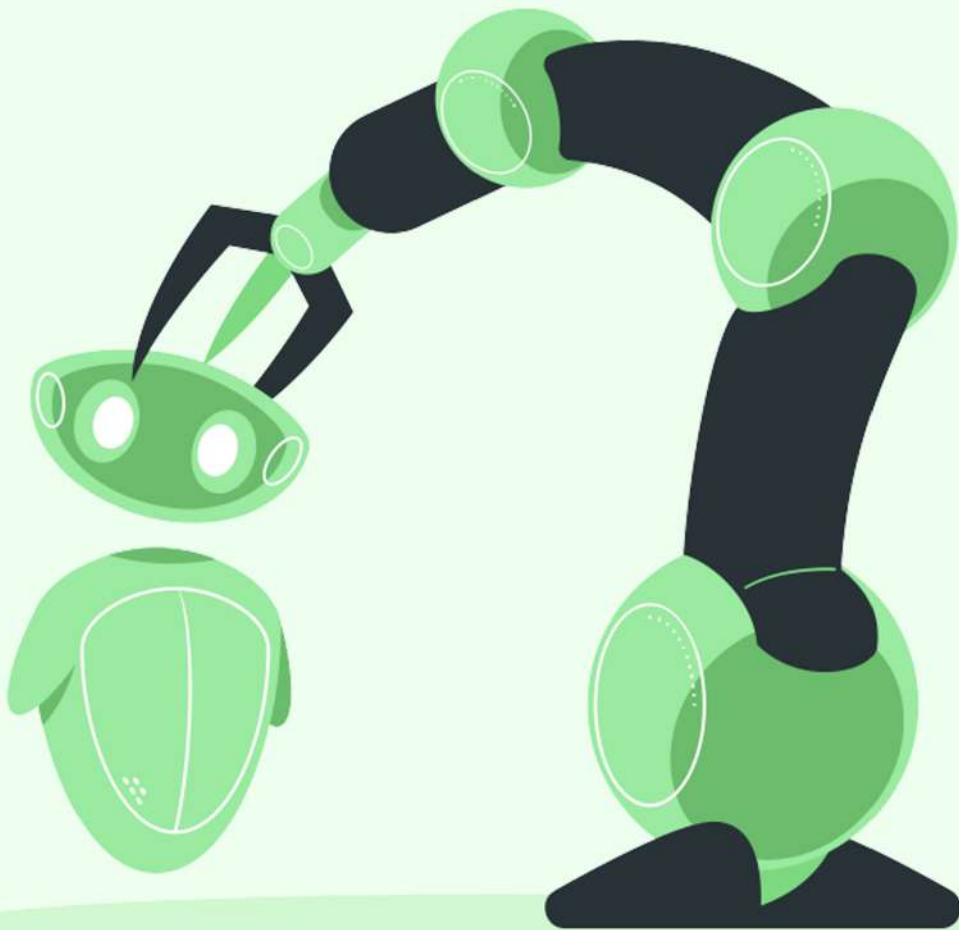




Aibit 4.0

THE WORLD'S FIRST AI FINANCIAL SERVICES PLATFORM

APPLICATION WHITEPAPER



Introduction

"How to Solve the Millennium Dilemma of Balancing Low Risk and High Returns?"

"As the AI Era Dawns, How to Harness AI for Long-Term Profit and Societal

Advancement?" "Exploring the Revolutionary Paradigm of AI-Web3 Integrated Finance."

AIBIT is the world's first comprehensive AI financial platform, built upon a proprietary trillion-parameter financial mega-model foundation. It establishes a connection between AI and Web3, enabling real-time monitoring of multi-chain cryptocurrency market data and public sentiment across the entire network. This facilitates efficient and precise Web3 financial decision-making and investments. AIBIT possesses a global investment management capability that far surpasses manual or traditional trading scripts, allowing users to consistently maintain higher profitability in a zero-sum market.



1. Grasping the First Principle of Profit

The development of any entity follows the "first principles," which involves starting from the fundamental intrinsic essence and constructing a complete methodology through logical reasoning and analysis. This principle is equally applicable in the financial market, as it reveals the core mechanisms for investors to succeed in the market.

By deeply analyzing and understanding the fundamental operational principles of the financial market, AIBIT identifies five key elements that together constitute the principles for investors to profit in the market. These elements are:



Information: Investors must have the ability to extensively and comprehensively gather macro and targeted market information to understand trends and potential investment opportunities.

Cognition: Investors need to comprehend the operational mechanisms and rules of the market, allowing them to discern amidst vast amounts of information and increase the precision of their decisions.

Decision-making: Building upon accurate information and deep understanding, investors must be capable of swiftly making intelligent decisions for portfolio investments.

Execution: Decisions must be implemented through a series of investment actions, such as buying, selling, and holding, performed with high-frequency and efficiency.

Capital: Investors require sufficient capital to support their investment strategies and must be able to withstand a certain level of risk.

In traditional investment approaches, no individual or entity can consistently manage these five principles in the complex and ever-changing financial market. Therefore, the contradiction between low risk, high returns, and consistent profitability remains irreconcilable.

2. AIBIT's Core Competence:

Compare	AIBIT	script	manual
Message	Trillion-parameter GPT-4 foundational model + Hundred-billion-parameter proprietary financial model + Integration of search engine and cross-chain blockchain browser + Intelligent contract deep scanner	Absence of information and logical reasoning Pre-written human strategies executed by code	Very limited and easily misled by so-called insider information
cognize	"Cognize" refers to the trillion-parameter large model's complex reasoning ability, which approaches omniscience and is integrated with top-level financial transaction awareness.	Fixed strategy pattern	Narrow-minded, one-sided, and biased
Make a decision	Absolute rationality + forward planning + robust risk management, pursuing maximum profitability on a foundation of stability.	Rational yet conventional	Fear of gain and loss, emotional turmoil, constant vacillation
Controls	Real-time regulation with big data, millisecond-level response, 30,000 transactions per second, tireless and all-encompassing cross-chain capability.	In accordance with existing strategies, real-time adjustments	Extremely slow, prone to fatigue, susceptible to errors
synthesis ability	Multi-category cross-chain investment, intelligent scheduling and diversion. Low risk, high returns.	Single chain or single category, prone to being trapped.	Completely outdated

3. AIBIT's Winning Principle

The emergence of AIBIT marks a significant victory for cutting-edge technology and methodologies. For the first time in the millennia-long history of financial development, AIBIT has unified the impossible triad of contradictions into a harmonious trinity. This achievement stands as a monumental milestone. Unlike traditional manual and scripted investments, AIBIT is poised to bring unprecedented profitability to its participants, dismantling barriers with relentless force.

Those aspiring for profits must realize with utmost clarity that the essence of all finance is a zero-sum game, where high cognition preys upon low cognition. The first four principles of financial profitability—information, cognition, decision-making, and execution—act as an unstoppable torrent of steel crushing through flesh, representing AIBIT's ultimate supremacy over traditional strategies.

The fifth principle, capital, is the target of profitability that AIBIT strives to achieve for its users. It necessitates the tightly coordinated collaboration between multi-dimensional macro strategies and layered micro-level operations, where every component is indispensable.

4. AIBIT's Product Logic

AIBIT adopts a holistic strategy of scanning the entire network for premium projects across multiple chains. It seamlessly transitions to the most lucrative products for distributed investments while maintaining stringent risk control. In contrast to traditional single-domain approaches such as yield farming or trading scripts, AIBIT achieves a diversified Web3 financial investment that spans domains and chains, encompassing both low-frequency staking and high-frequency trading. This comprehensive approach aims to optimize potential returns while effectively managing risks.

AIBIT's investment categories include but are not limited to:

- DeFi Staking and Lending
- Staking for Mining Rewards
- High-Frequency Spot Trading on Centralized Exchanges (CEX)
- High-Frequency Contract Trading on CEX
- Profit from SWAP Trading
- Early Participation in NFT Launches
- Premium Project Private Placements
- IEO Share Allocation Rush
- IDO Share Allocation Rush
- Acquiring Value Projects through Airdrops

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AIBIT's Six Intelligent Contract Service Matrices:

AIBIT has established six major smart contracts to achieve automated fund management and multi-dimensional allocation:

A. Secure Payment/Withdrawal Contract:

Users select to invest in USDT and, upon confirmation, trigger the execution of a smart contract. While the entry and exit contracts may seem straightforward, we have gone beyond to enhance security and application upgrades. The payment/withdrawal contract employs zero-knowledge proof technology, ensuring transparent and traceable fund transfers while achieving user identity and fund

flow anonymization. Additionally, this is achieved through the trustworthy validation of fund transfers based on blockchain multi-signature mechanisms.

B. Bionic Scheduling Contract:

At the core of AIBIT's operations, this contract employs AI algorithms to automatically assess and select the optimal asset allocation strategy. It allocates multi-chain assets to various sub-contracts, achieving diversified investment portfolio configurations. The logic encompasses asset evaluation, portfolio optimization, and risk management modules. AIBIT has developed a bionic immune scheduling system for this contract, enabling real-time market perception and dynamic responses similar to the human immune system.

C. Aibit 4.0 Quantitative Contract:

Connecting to exchanges, this contract utilizes AIBIT's proprietary Aibit 4.0 trading algorithm to conduct high-frequency quantitative trading with major cryptocurrencies. Employing strategies such as statistical arbitrage, trend following, and machine learning, it executes multi-asset algorithmic trades. The 4.0 innovation leverages cross-market arbitrage strategies for risk mitigation and income stability. Additionally, it employs deep learning time series models to achieve higher accuracy in market trend prediction.

D. Aibit 4.0 Fund Strategy Contract:

Through AI models, this contract performs macro and micro assessments of various types of funds and high-quality projects across the network. It selects objects with long-term value for investment allocation, aiming for stable growth. The 4.0 contract employs semantic analysis and knowledge graph technology to identify inherent relationships between projects. It assesses team strength, community support, technological innovation, and other factors, uncovering high-value blockchain projects.

E. Aibit 4.0 Lending Contract:

Connecting to DeFi platforms, this contract employs NLP and transfer learning techniques to evaluate the security and reasonable lending scale of emerging projects. It employs machine learning to filter risks. The 4.0 contract optimizes DeFi field models using labeled public chain data, evaluating risks from multiple dimensions such as collateral ratio, liquidity, and team background, effectively shielding against malicious projects.

F. Aibit 4.0 High–Yield Contract: (Continued)

The Aibit 4.0 High–Yield Contract focuses on discovering potential projects in the early stages of the global Web3 domain, aiming to achieve high returns through preemptive investments:

- This contract constructs a multidimensional data graph containing tens of thousands of projects and community sentiments, utilizing associative analysis to unearth potential high–quality and high–yield projects.
- The contract scrapes open–source community platforms, including GitHub, and utilizes natural language processing techniques to analyze the technical whitepapers of emerging projects, assessing their innovation and application prospects.
- For premium projects still in the private investment stage, the contract builds a team knowledge graph, evaluating the team's strength in blockchain and technology fields by analyzing team members' professional backgrounds, past projects, and company experiences.
- From seed rounds to private and public offerings, the contract employs reinforcement learning to optimize investment strategies, dynamically adjusting project portfolios based on market feedback.
- For projects about to undergo IEO/IDO, the contract employs deep learning to predict post–listing price fluctuation trends on exchanges, selecting projects with significant profit potential for rapid acquisition.
- Furthermore, the contract pays attention to signals such as community feedback and code commit frequency, promptly identifying technological breakthroughs and growth potential.
- In the future, this contract aims to upgrade to a decentralized voting mechanism to determine investment matters, executed by multi–signature wallets, ensuring the democratic nature of investment decisions and the security of funds.
- The Aibit4.0 high–yield contract fully leverages AI technology to discover hidden Web3 early–stage unicorns, achieving high returns while supporting the prosperity of global blockchain innovation.

AIBIT's aggregated investment will progressively support various public chains, including but not limited to:

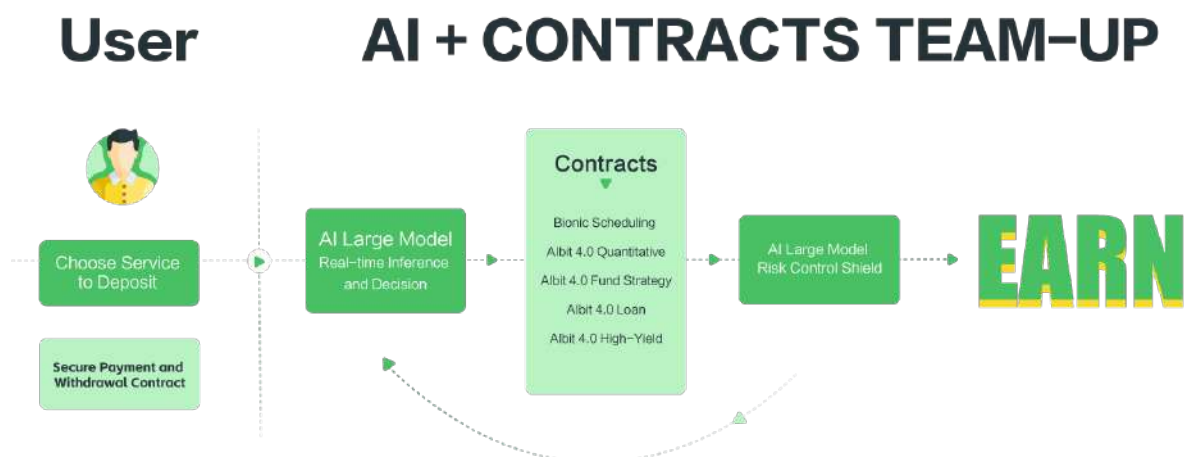
TARGET PUBLIC CHAIN

- Bitcoin
- Ethereum
- Binance Smart Chain
- Arbitrum

- Sui
 - Aptos
 - Polkadot
 - Cardano
 - Solana
 - Avalanche
 - Cosmos
 - Tezos
 - Algorand
 - Stellar
 - Tron
 - More...
-

With its extremely user-friendly one-click operation, AIBIT delivers complex fund allocation tasks to AI for efficient execution:

In terms of execution efficiency and user-friendliness, users only need to input USDT. AIBIT will intelligently split and allocate the funds to multi-chain investment targets. After generating profits, the gains will be automatically aggregated to USDT and returned to the user's address, vastly enhancing decision-making and operational efficiency.



Users select the product and invest USDT, and AIBIT will complete all necessary operations for profit on your behalf:

A. User Invests USDT

- Users choose the product and invest USDT, triggering the execution of smart contracts upon confirmation.
- Smart contracts utilize blockchain multi-signature mechanisms to verify the identities of both the user and AIBIT.
- The entire process is traceable on the blockchain, ensuring transparent and controllable fund flows.

B. Large-Scale Information Collection and Identification

- AIBIT deploys nearly a thousand specialized nodes to real-time retrieve comprehensive public information from across the internet, including exchanges, project websites, social platforms, news media, Discord, and Telegram communities.
- Utilizing NLP, text mining, and other technologies to analyze the value of information and judge value through thematic modeling.
- Advanced value rating of information sources through machine learning, noise data filtration, and extraction of valuable features.
- Building a knowledge graph to reveal implicit information, referencing Bayes' theorem to calculate feature weights.
- Real-time updates to ensure decisions are built on comprehensive and accurate information.

C. AI Deep Decision Analysis

- Feeding features and datasets into deep neural networks to predict future price trends.
- Applying reinforcement learning to adjust models, maximizing returns and risk-reward ratios.
- Comparing asset allocation efficiency across different networks through cross-chain analysis.
- Simulating portfolio returns distribution using Monte Carlo methods to output optimized investment solutions.
- Constructing dynamic adjustment loops for proactive updates of investment strategies based on market changes.

D. AI + Smart Contract Efficient Execution of Operations

- Building modularized intelligent trading systems to achieve adjustable investment strategies through configuration.
- Implementing high-frequency algorithmic trading at the millisecond level through APIs provided by exchanges.
- Cross-chain operation module supports seamless asset transfer, reducing transaction fee losses.
- Hot backup mechanism ensures uninterrupted trading while performing both on-chain and off-chain operations.

- Multi–signature wallet manages assets to prevent theft or accidental operations.

E. AI Full–Process Risk Control

- Unattended trading system ensures information confidentiality.
- Encrypting transmission and storage of user data to prevent hacking attacks.
- Asset isolation in cold wallets with only a small amount of hot wallets for online operations.
- Off–site disaster recovery backs up critical data for quick service restoration.
- Configuring monitoring and alert systems to automatically detect abnormal behavior and allow manual intervention.
- Regular third–party security audits to enhance system robustness.
- Implementing tiered profit–taking and stop–loss strategies.
- Monitoring project behaviors to prevent malicious actions like Rug Pull.
- Dynamically testing smart contract vulnerabilities and assessing risk levels.
- Monitoring on–chain parameter changes, guarding against incidents like project suspensions.
- Monitoring community sentiment to anticipate collective emotions.
- Implementing parallel strategies across multiple chains and projects to mitigate risks of single–point dependency in the face of black swan events or unforeseeable risks.
- Continuous risk emergency drills by AI, ongoing iteration, and improvement of adaptive capabilities.

F. Intelligent Aggregation of Multi–Chain Assets After Profit

- Once profits reach preset targets, triggering smart contracts to execute asset conversion.
 - Converting dispersed multi–chain assets into stablecoin USDT and aggregating them into users' wallet addresses.
 - The entire conversion and transfer process is traceable on the blockchain, ensuring reliable realization of profits.
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5. Core Advantage

Core Advantage 1: Massive Scale and Ultra-High-Frequency Processing Power

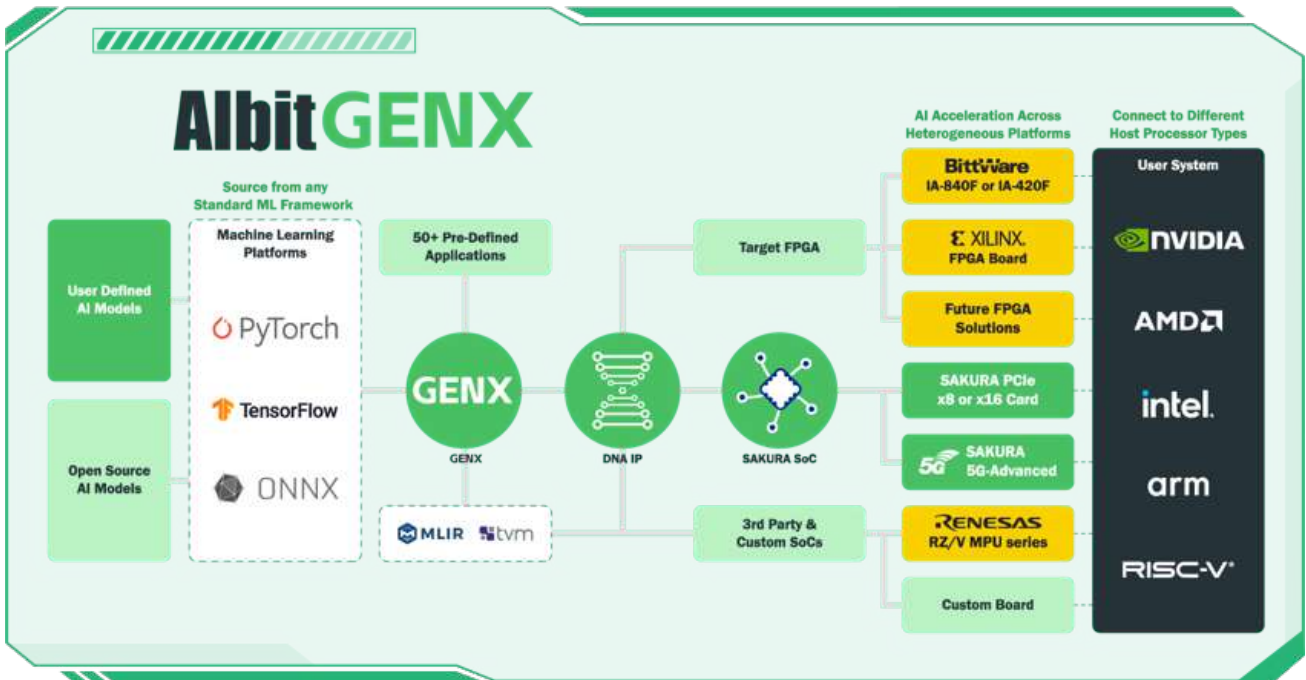
AIBIT boasts an impressive processing capacity with its proprietary distributed trading engine, achieving a colossal throughput of 30,000 orders per second and an orders–to–trade latency of less than 1 millisecond. This exceptional performance places AIBIT at the forefront of the Web3

ecosystem. For context, the peak processing capacity of the centralized VISA network is around 65,000 transactions per second, a benchmark nearly matched by decentralized AIBIT. Furthermore, while NASDAQ, a leading stock exchange, sustains a continuous processing capacity of 260,000 transactions per second, AIBIT is targeting alignment with the world's top securities exchanges in its upcoming second-phase upgrade.

This unparalleled performance stems from AIBIT's technical investments in various aspects:

- AIBIT employs a self-developed stream computing framework, utilizing data-parallel pipeline concurrency to support real-time streaming order processing.
- AI models are utilized to prioritize and allocate resources for orders, granting lower latency to critical orders.
- Enormous memory processing with up to 192TB of memory capacity caters to extensive working sets, ensuring efficient data access.
- Leveraging technologies like RDMA bridges storage and computation, reducing unnecessary data copying and lowering latency.
- GPU/TPU hybrid computing, offering over 80 teraflops of processing power (80 trillion floating-point operations per second), supports high-frequency inference for trillion-parameter models.
- Customized network stack bypasses the operating system, directly controlling NIC (Network Interface Card), optimizing protocol processing pipelines from NIC to user space, achieving millisecond-level latency, and transient response in the microsecond range under specific conditions.
- FPGA and ASIC auxiliary chips accelerate core algorithms.

In addition, Albit has developed the GENX acceleration software and compiler framework to accelerate machine learning, specifically designed for heterogeneous computing environments, especially AI computing solutions. GENX aims to simplify and automate the software development process for heterogeneous systems by providing a unified programming interface, generating intelligent compilers compatible with different architecture processors, and a management HUB for dynamically managing heterogeneous systems. This approach significantly improves computing efficiency by several orders of magnitude compared to non-heterogeneous solutions. GENX configures software and underlying hardware to meet the high-intensity computing demands of the Albit ecosystem applications. These cutting-edge technical implementations grant AIBIT an unparalleled processing capability, allowing for ultra-high-frequency trading and positioning it as a leader in the Web3 landscape.



Core Advantage 2:

Trillion-Parameter Universal Model + Billion-Parameter Vertical AI Financial Model

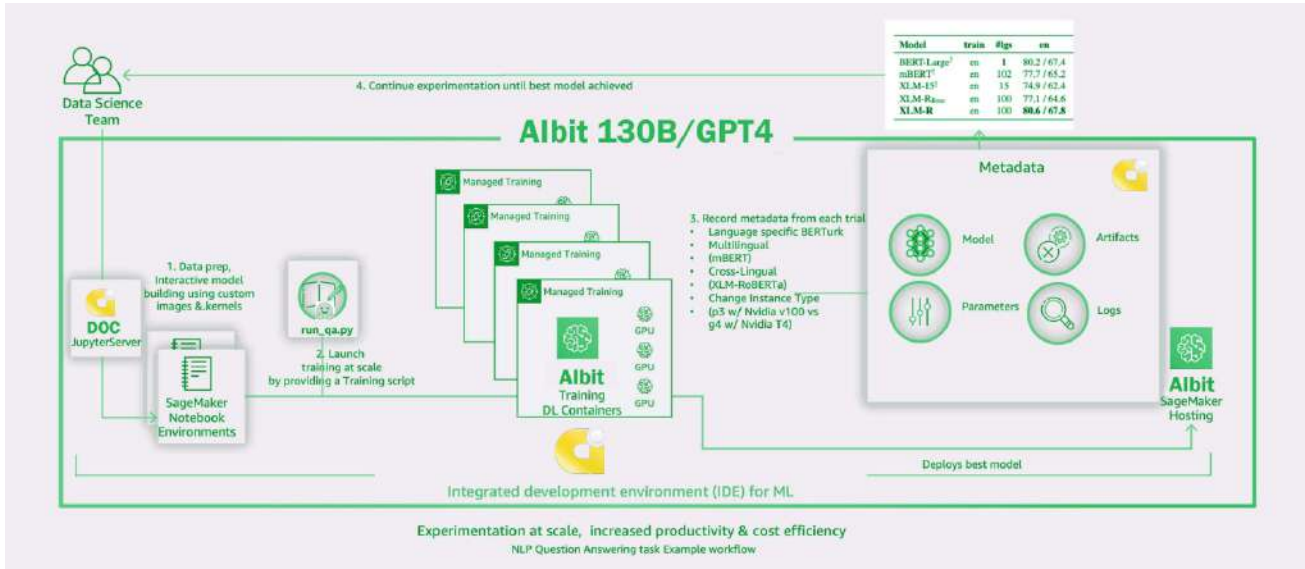
AIBIT integrates the latest development from OpenAI, the trillion-parameter GPT-4, with its proprietary billion-parameter financial model, AIBIT-130B. This integration forms the world's most extensive financial AI system, achieving unprecedented breakthroughs in efficient information retrieval, accurate investment decision-making, and automated execution. The fusion of broad general knowledge with specialized financial expertise empowers AIBIT to comprehensively understand market information, conduct deep predictive analyses across various timeframes, and determine rational asset allocation based on risk models. Moreover, the computational power brought by the vast model supports automated portfolio operations in high-dimensional spaces.

Regarding data, AIBIT has aggregated an immense dataset encompassing 30 million research papers, 500 million financial consultations, 2 billion pieces of social network and trading platform sentiment and market data, surpassing similar systems in inference capability. In practical applications, AIBIT can process terabytes of data every minute, achieving a logic and sentiment analysis accuracy of 93%, significantly outperforming the human accuracy rate of 78%. Its profit prediction accuracy improves by about 15% compared to using a single model. Additionally, AIBIT can autonomously evaluate over 2100 types of asset portfolios, facilitating quantitative management.

The integration of these advanced models and extensive datasets empowers AIBIT to achieve exceptional precision, efficiency, and effectiveness in its financial operations, setting it apart as a

trailblazer in the AI-driven financial landscape.

Integration of Self-Developed Financial Macro Model with GPT-4 Enhanced AI Base Training:



Core Advantage 3: Celestial Quantitative Trading Engine

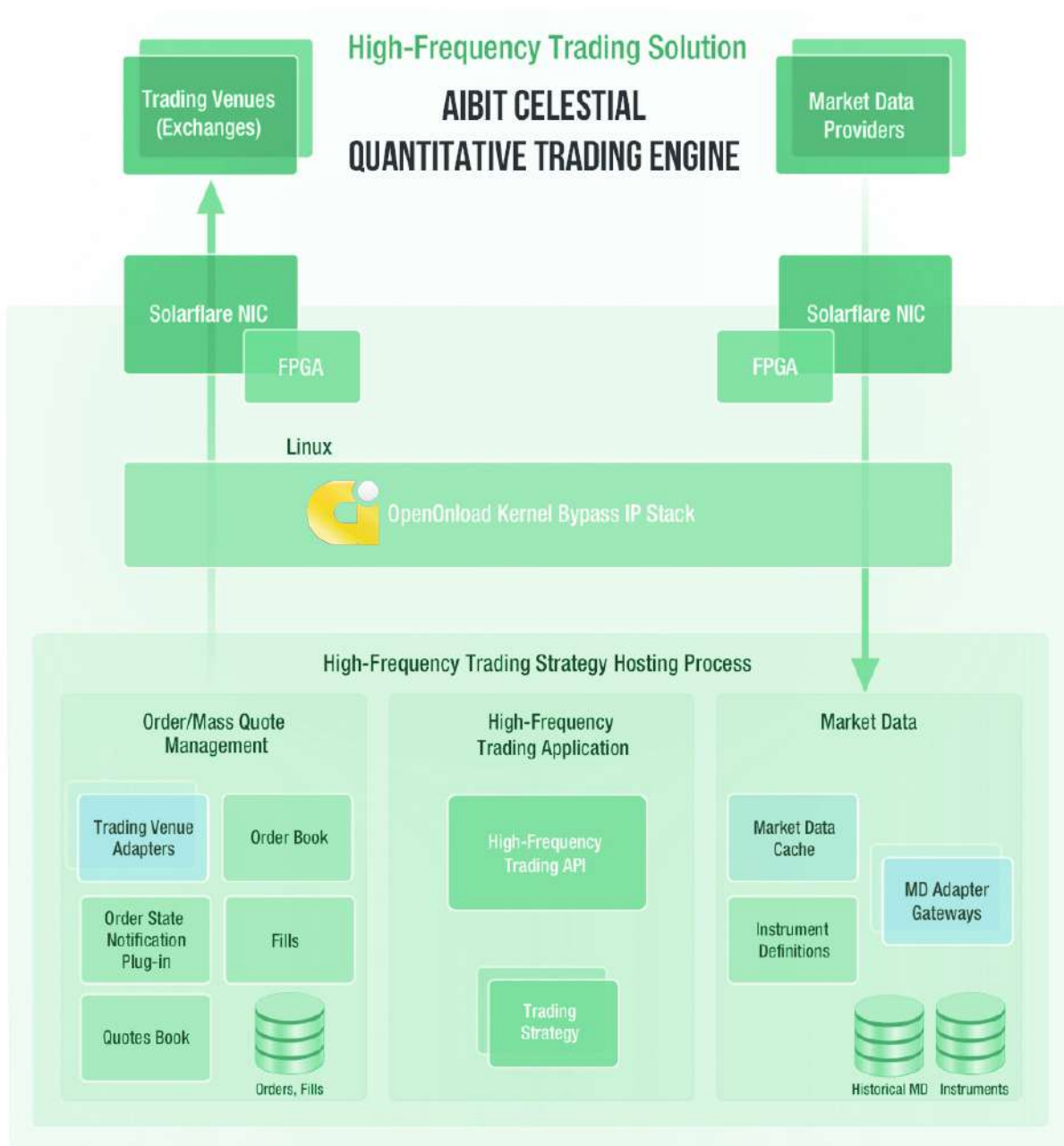
In the domain of high-frequency trading, AIBIT has developed the Celestial Quantitative Trading Engine, leveraging the complex reasoning capabilities of AI to achieve precise market positioning and efficient execution. Its principles can be summarized as "multi-source perception, microsecond anticipation, lightning-fast execution, one-shot precision."

The "Celestial" engine trains on the billion-parameter AI model through multi-dimensional feature engineering, allowing it to accurately discern market trends while conducting precise sentiment and behavioral analyses for real-time strategy adjustments. This model has been extensively trained on various types of unstructured data, endowing it with exceptional foresight into market changes.

Furthermore, the "Celestial" engine integrates an adaptive genetic algorithm module, continuously generating optimal parameter combinations through backtesting to autonomously optimize strategies. Much like an expert archer, it continually adjusts its aim based on factors such as environment, distance, and wind direction to improve accuracy. Paired with the lightning-fast execution module, it achieves the objective of executing trades with pinpoint accuracy. Publicly available backtesting demonstrates that the Celestial Quantitative Trading Engine yields a 20% higher return rate compared to traditional quantitative systems, solidifying its position at the forefront of the industry.

The Celestial engine showcases AIBIT's prowess in combining AI sophistication with financial acumen, creating an advanced tool for navigating the complexities of high-frequency trading in the modern financial landscape.

Algorithm for Large-Scale High-Frequency Trading Processing:



Core Advantage 4: In-House Heterogeneous Computing Cluster

AIBIT has developed a proprietary heterogeneous computing matrix valued at \$2 million, comprising

[A100+H100+TPU] components, designed for AI training/inference and accelerated processing of high-frequency orders:

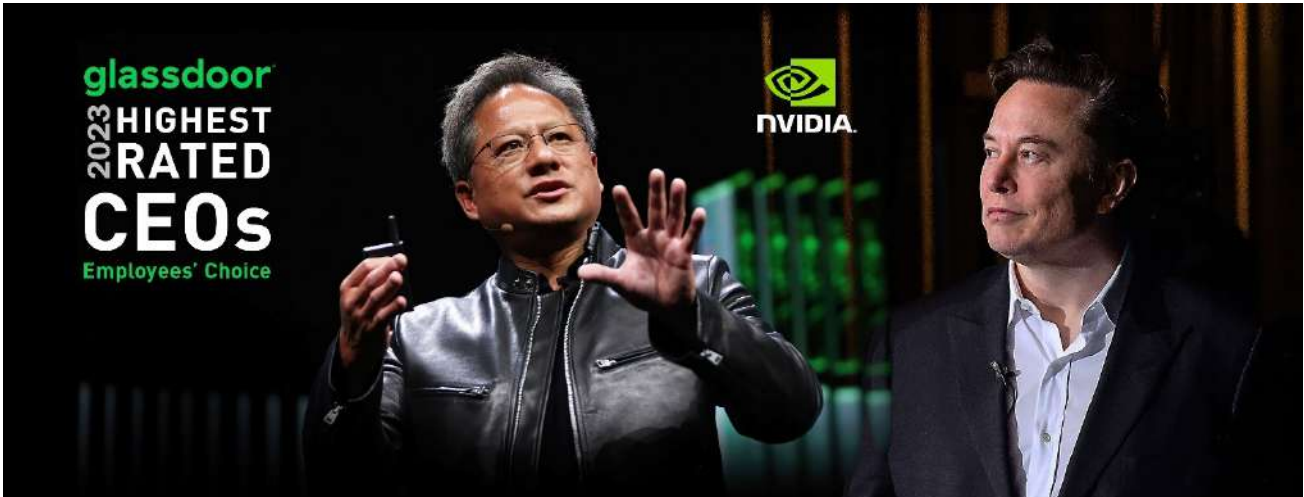
1. The A100 GPU features NVIDIA's latest Ampere architecture, boasting FP16 Tensor Cores that achieve 19.5 TFLOPS of half-precision floating-point computation per card. This makes it ideal for large-scale neural network training, with a single card valued at \$14,000.
2. The H100 integrates 4 generations of Tensor Cores and enhanced memory subsystems, delivering 61.5 TFLOPS of FP8 computational power. This card is better suited for low-precision, high-throughput inference calculations and is valued at \$40,000. It's important to note that the global market is experiencing shortages of these components.
3. The TPU incorporates Google's AI chip, offering higher energy efficiency relative to GPUs for specific model computing tasks.

Through elastic resource scheduling, the three types of chips can work in synergy, allowing AIBIT to possess robust hybrid training and inference capabilities, as well as real-time inference capabilities to support high-frequency algorithmic trading. This forms the hardware cornerstone for AIBIT to construct industry-leading AI models and trading systems. **AIBIT's commitment to establishing an in-house computing cluster underscores its dedication to maintaining a competitive edge in the dynamic landscape of Web3 finance.**

Value of the In-House Computing Cluster:

The value imbued within AI computational power is immeasurable. Global chip shortages coupled with US export restrictions have made it challenging for various entities to procure these resources. AIBIT's in-house AI computing cluster initiative began 10 months ago, securing at least a three-year competitive advantage in the Web3 financial landscape.

On August 26, 2022, the US government announced export restrictions on two premier computing chips used for artificial intelligence work in third-world countries. This regulation affects NVIDIA's A100 and forthcoming H100 chips, as well as other upcoming NVIDIA chips with peak performance equal to or surpassing the A100. NVIDIA, a dominant player in AI computing power, initially saw its stock plummet to \$109 due to Ethereum's transition to Proof of Stake (POS) mining. However, the global AI computing power shortage led to a 400% surge in stock prices to \$406 as of August 14, 2023. The NVIDIA H100 is priced at over \$40,000, prompting Elon Musk to remark, "Everyone is buying GPUs."



The U.S. High-End GPU Export Ban:

The U.S. high-end GPU export ban refers to the restrictions or prohibitions imposed by the U.S. government on the export of certain high-performance Graphics Processing Units (GPUs). These export restrictions may involve advanced GPUs used in fields such as artificial intelligence (AI), supercomputing, data analytics, and more. The purpose of export controls might be rooted in national security, technology protection, preventing technology leakage, and other factors aimed at preventing the use of these critical technologies for hostile countries or malicious activities.

Such export restrictions can impact scientific research, technological development, and business activities, particularly in fields heavily reliant on these high-performance GPUs for compute-intensive tasks. The restricted GPUs may include chips with high computational power and accelerator features, used for tasks like training deep learning models, simulations, and data analytics.

This type of export ban can trigger various reactions and discussions, including considerations of cooperation and competition among tech companies, research institutions, and governments, limitations on technological innovation, and effects on global supply chains. Therefore, such export restrictions usually require careful balancing of factors such as national security, technological innovation, and international collaboration.

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**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549**

FORM 8-K

CURRENT REPORT
PURSUANT TO SECTION 13 OR 15(d) OF
THE SECURITIES EXCHANGE ACT OF 1934

Date of Report (Date of earliest event reported): August 26, 2022

NVIDIA CORPORATION
(Exact name of registrant as specified in its charter)

<u>Delaware</u> (State or other jurisdiction of Incorporation)	<u>0-23985</u> (Commission File Number)	<u>94-3177549</u> (RS Employer Identification No.)
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2788 San Tomas Expressway, Santa Clara, CA 95051
(Address of principal executive offices) (Zip Code)

Registrant's telephone number, including area code: (408) 486-2000

Not Applicable
(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
<u>Common Stock, \$0.001 par value per share</u>	<u>NVDA</u>	<u>The Nasdaq Global Select Market</u>

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging Growth Company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

6. Development Roadmap

2018: Emergence

The founder established the Aibit research team in Silicon Valley, USA, dedicated to exploring the application of AI in the financial field. After five years of relentless effort, repeated evaluations, and iterative updates, the mature Aibit 4.0 dual AI system finally came into being.

2023: Consolidation

- Completion of training the core algorithm model with billions of parameters, including general semantic models, vertical domain models, and reinforcement learning models.
- Delivery of intelligent investment advisory systems for mobile and web platforms.
- Construction of six major collaborative intelligent contract modules.
- Stable API calls and optimization of high-frequency trading algorithms for over 50 exchanges.
- Release of the public beta version, introducing initial users for product validation and feedback.

2024: Comprehensive Enhancement

- Iterative upgrades of models based on data from public beta users, improving decision-making efficiency.
- Enrichment of investment varieties, addition of customized investment modes such as lending, collateral, and private placements.
- Inclusion of institutional users, establishment of cooperation with traditional financial entities.
- Support for emerging investment models in NFTs, AIGC, Metaverse, and other contexts.
- Stable API calls and optimization of high-frequency trading algorithms for over 300 exchanges.

2025: Emergence of Giants

- Achievement of asset scale exceeding 30 billion USD, becoming a global leader in investment management platforms.
- Expansion of service scope to 180 countries worldwide, supporting cross-chain digital asset management for more than 50 public blockchains.
- Establishment of an open platform ecosystem, forming cooperation alliances with upstream and downstream institutions.
- Upgrade of traditional asset investment categories such as stocks, ETFs, and bonds using blockchain technology.

7. Global Partners

AI Companies (Partners in the AI Field)

Anthropic, OpenAI, Cohere, Scale AI, MetaAI, Baidu Research, 4Paradigm, Cambricon, Horizon Robotics, CloudMinds, DeepBlue Technology, Face++, CloudWalk Technology, Yitu Technology, MiningLamp, Megvii, Squirrel AI Learning, UBTECH Robotics, SenseTime, Cloudwise, Aibee...

University Finance Labs:

MIT Finance Lab, Stanford Finance Lab, Harvard Financial Analytical Lab, Oxford Financial Research Center, Cambridge Digital Finance, UCLA Blockchain Lab, NYU Finance Lab, UCL Centre for Blockchain Technologies, UIUC Finance Lab, Duke Financial Economics Lab, Waterloo Quantitative Finance, Tsinghua x-lab, Peking University Digital Finance Research Center, HKUST FinTech Research Center, NTU FinTech & Blockchain Lab, SMU FinTech & AI Lab, HKU FinTech Collaboratory, CUHK Shenzhen Finance Institute, HK PolyU FinTech Center, HKBU AI Finance Research Centre...

Web3 Investment Firms:

Pantera Capital, Paradigm, Multicoon Capital, CoinFund, Scalar Capital, Electric Capital, CMS

Holdings, Alameda Research, Blockchain Capital, Digital Currency Group, Polychain Capital, Coinbase Ventures, Fabric Ventures, Fenbushi Capital, Hashkey Capital, Signum Capital, AlphaCoin Fund, Delphi Digital, NGC Ventures, Consensus Lab, GBIC, LD Capital, AU21 Capital, Infinity Ventures Crypto...

Web3 Projects & Platforms:

Aave, Chainlink, The Graph, Theta Network, Helium, Mina Protocol, Livepeer, Skale, Celsius Network, Nexus Mutual, Loopring, Audius, BitTorrent, Arweave, Blockstack, Solana, Moonbeam, Flow, Near Protocol, Klaytn, CasperLabs, Elrond, WazirX...

Blockchain Media:

Cointelegraph, CoinDesk, Forkast, CryptoSlate, AMBCrypto, Blockchain News, Bitcoin Magazine, Bitrates, Crypto Briefing, BelnCrypto, CoinJournal, Coinnounce, OracleTimes, Blokt, TokenInsight, CoinChapter, CryptoNewsZ, Cryptopolitan, NullTX, Coingape, CoinFi...

Country Communities:

Korea Blockchain Week, Blockchain Life Russia, Paris Blockchain Week, Futur/io Switzerland, Dubai Crypto Expo, TOKEN2049 Hong Kong, TOKENMATCH Singapore, CoinGeek Conference, Blockchain Expo Europe, Blockchain Economy Istanbul Summit, LaBitConf Chile, Blockchain Summit Latvia, Blockchain Expo Tokyo, Token Fest Boston...

AIBIT will support the following CEX platforms:

Binance	Bitfinex	Poloniex
Coinbase Pro	Bithumb	BitBay
Kraken	Bitbank	Independent
KuCoin	Bitstamp	CoinJar
Huobi Global	Coincheck	CoinSpot
OKX	Bitflyer	Gemini
Bybit	Liquid	Bittrex
Bitkeep	BKEX	VCC Exchange
Gate.io	ZB.COM	Currency.com
Crypto.com	Coinone	CoinW
Gemini	Digifinex	Nominex
Bitget	AEX	NovaDAX
CoinEx	Changelly	Coinmate
Bitrue	Bitforex	Bitladon
BitMart	CoinZoom	ProBit
BigONE	BTCTurk	Dove Wallet
ZBG	BtcTurk Pro	Monfex
Bit global	Paribu	ExMarkets
MEXC	BTSE	Lykke
CoinDCX	WhiteBIT	More...

AIBIT will support the following DEX platforms: Uniswap

- PancakeSwap
- Curve
- Trader Joe
- Sushiswap
- Spookyswap
- Quickswap
- Pangolin
- WaultSwap
- ApeSwap
- Solarbeam
- PaintSwap
- JetSwap
- Ellipsis Finance
- ZeroSwap
- Osmosis
- Junoswap

- Gravity DEX
- Loop Finance
- Cosmos Infinity
- Sifchain
- Stargate Finance
- Comdex
- Diffusion Finance
- Disperze
- StellaSwap
- StellarTerm
- Solaris
- Aquarius
- WanSwap

More...

8. AIBIT core team

Ted Baker

CEO | Founder and Chief Executive Officer

Ted Baker is one of the co-founders of Aibit and currently serves as the Chief Executive Officer (CEO) of the company. He brings with him a wealth of experience in the fields of artificial intelligence and finance. Ted is a founding member of Aibit Lab and previously held a senior engineering position at Google.

Professional Background and Entrepreneurial Journey:

Before founding Aibit Technology, Ted served as a Senior Engineer at Google, where he gained extensive experience in artificial intelligence and technology development. Inspired by his high school classmate Sam Altman (Founder of OpenAI), Ted established Aibit Lab in 2018, focusing on research and development of artificial intelligence in the financial sector. As his research progressed, he founded Aibit in 2023 to translate the innovative outcomes of the lab into commercial applications, providing the market with high-quality AI solutions.

Leadership Style and Mission:

As the CEO of Aibit, Ted is committed to integrating artificial intelligence with the financial industry to offer cutting-edge technological solutions to clients. His open leadership style and dedication to innovation drive the company to achieve breakthrough progress in both technology and the market.

Educational Background:

Ted holds a Master's degree in Computer Science and has in-depth research experience in the field of artificial intelligence. His academic background and practical experience provide solid support for Aibit' innovations in the realm of artificial intelligence and finance.

Ted Baker's exceptional leadership and passion for artificial intelligence continue to propel Aibit on its path of innovation in the intersection of AI and finance.

Andrew Miller

CTO | Chief Technology Officer

Andrew Miller serves as the Chief Technology Officer (CTO) of Aibit, bringing with him a wealth of experience in technology leadership. His exceptional insights into artificial intelligence and technological innovation make him a core member of our team.

Professional Background:

Prior to joining Aibit, Andrew worked at Google and Apple, accumulating years of experience in technology research and development as well as management. During his time at Google, he participated in several large-scale AI projects, making significant breakthroughs in natural language processing and image recognition for the company. While at Apple, he led cross-functional collaborations that successfully drove the development and launch of multiple innovative products.

Leadership Style:

Andrew is known for his proactive leadership style and excellent team collaboration skills. He is committed to inspiring creativity among team members and encourages them to pursue excellence in the field of technology. His open communication and keen insight into new technologies inject a continuous stream of energy into Aibit' innovative development.

Educational Background:

Andrew holds a Master's degree in Computer Science from a top-tier university. He has extensive

collaborative experience in both academia and industry, bridging cutting-edge research with practical applications to pave the way for technological innovation.

Andrew Miller as the Chief Technology Officer of Aibit. His expertise, leadership, and technological foresight will continue to drive our innovation and excellence in the field of artificial intelligence.

Emily Carter

CFO | Chief Financial Officer

Emily Carter serves as the Chief Financial Officer (CFO) of Aibit, bringing a wealth of experience in financial management and strategic planning. Her deep knowledge of finance and international experience make her a core member of our team.

Professional Background:

Before joining Aibit, Emily worked as a Senior Finance Manager at an internationally renowned conglomerate, responsible for cross-border financial strategy and risk management. There, she successfully guided the company in addressing challenges in the global market and drove sustainable business growth.

Leadership Style:

Emily is known for her exceptional financial insights and global perspective. She pays attention to detail and is adept at translating financial data into strategic decisions, providing robust support for Aibit' financial strategy formulation. Her leadership style encourages team members to actively engage and pursue excellence together.

Educational Background:

Emily holds a bachelor's degree in Accounting and a Master's degree in International Finance from a prestigious university. Her academic and practical background in finance brings extensive knowledge and experience to Aibit' financial management.

Emily Carter as the Chief Financial Officer of Aibit. Her expertise, leadership, and global strategic vision will continue to drive our innovation and sustainable growth in the field of technology.

Benjamin Clark

CMO ASIA | Asia Market Director

Benjamin Clark serves as the Director of Aibit in the Asian market, bringing a wealth of experience in international market expansion and business development. His expertise and cross-cultural communication skills make him a key figure in our team.

Professional Background:

Prior to joining Aibit, Benjamin worked in multiple multinational technology companies, responsible for driving the promotion and sales of products in the Asian market. His market insights and strategic planning abilities have laid a solid foundation for the company's growth and influence in the Asian region.

Leadership Style:

Benjamin is known for his open leadership style and amiable personality. He excels at collaborating with people from different cultural backgrounds, establishing strong partnerships, promoting team collaboration, and achieving common goals.

Educational Background:

Benjamin holds a Master's degree in International Marketing and is fluent in languages relevant to the Asian region. His strong academic background and language proficiency provide crucial support for Aibit' strategic formulation and execution in the Asian market.

Benjamin Clark as the Director of Aibit in the Asian market. His international perspective, leadership, and market expansion experience will continue to drive our growth and success in the Asian market.

Samuel Taylor

CMO Western | Western Market Director

Samuel Taylor serves as the Director of Aibit in the European and American markets, bringing a wealth of experience in market strategy and business development. His cross-industry background and innovative thinking make him a core member of our team.

Professional Background:

Prior to joining Aibit, Samuel held the position of Marketing Director at Walmart, where he led teams in implementing global marketing strategies and brand promotion. There, he successfully guided several large-scale projects, driving considerable growth for the company in a competitive market.

Leadership Style:

Samuel is known for his foresight and hands-on approach. He is adept at translating market insights

into concrete action plans while motivating team members to achieve challenging goals. His global perspective and strategic thinking infuse new vitality into Aibit' development in the European and American markets.

Educational Background:

Samuel holds a Master's degree in Business Administration from a renowned business school. His academic background in marketing and international business provides a solid foundation for Aibit' strategic formulation and execution in the European and American markets.

Samuel Taylor as the Director of Aibit in the European and American markets. His rich experience, leadership, and market expansion capabilities will continue to drive our innovation and success in these regions.

Lauren Organ

CMO Australia | Australia Market Director

Lauren Organ, as the Director of Aibit in the Australian market, brings years of extensive experience in marketing operations. Her profound understanding of the Australian market and innovative thinking make her an indispensable member of our team.

Professional Background:

With a decade of experience working in Australia, Lauren has held positions as a Marketing Operations Manager, successfully driving breakthroughs for multiple projects in a competitive market. Her expertise in market analysis, brand promotion, and business development provides robust support for Aibit' development in the Australian market.

Leadership Style:

Lauren is renowned for her innovative leadership style and teamwork capabilities. She excels at translating market trends into practical actions while also motivating team members to actively participate and achieve common goals. Her deep interpersonal relationships within the Australian market offer an advantage in establishing close collaborations with local partners for Aibit.

Educational Background:

Lauren holds a Bachelor's degree in Marketing, as well as a Master's degree in Marketing Operations obtained in Australia. Her academic background and practical experience provide a solid foundation for Aibit' strategic formulation and marketing activities in the Australian market.

welcome Lauren Organ as the Director of Aibit in the Australian market. Her marketing operations experience, leadership, and market insights will continue to drive our innovation and success in the Australian market.

9. AIBIT'S Vision

The vision of Aibit Laboratories extends beyond technological innovation—it marks a renaissance in the world of finance. Its goal is to shape Aibit 4.0 into a next-generation AI-powered financial services platform that integrates DeFi, cryptocurrency trading, lending, NFTs, and more. This vision heralds an era of boundless possibilities and opportunities.

1.The Future of Finance: Seamlessly Integrating AI and Blockchain

The core of Aibit 4.0 lies in the seamless integration of artificial intelligence and blockchain technology. This innovation not only elevates the efficiency and intelligence of financial services to new heights but also enhances transparency and security to unprecedented levels. On this platform, every transaction, lending, and NFT interaction will be guided by AI, ensuring optimal decisions and outcomes.

2.Democratizing Finance: Participation for All

The vision of Aibit 4.0 is to make financial services a right accessible to everyone. Whether professional institutions or individuals, suitable profit channels can be found on this platform. Through decentralized mechanisms, traditional financial barriers are broken down, enabling fair participation in the financial market for everyone.

3.The Art of Finance: Unlocking NFT's Infinite Potential

On the Aibit 4.0 platform, NFTs are not just emerging asset forms; they represent an expression of art. Through the understanding and creation of AI, art is seamlessly combined with finance, enabling every piece of art to realize its true value. This convergence is an exquisite blend of art and technology, a harmonious collision of culture and economy.

4.Financial Revolution: Pioneering a New Financial Era

The vision of Aibit 4.0 is not only a technological innovation but also a financial revolution. It shatters the constraints of traditional finance, heralding an entirely new financial era. In this era, finance ceases to be the game of a few; it becomes the stage for everyone. Finance ceases to be cold numbers; it transforms into a vibrant canvas of creativity and artistry.

10. Some Reference Papers on AIBIT's Enhancement of Overall Architecture in AI Large Models, Heterogeneous Servers, Financial Investment, and Quantitative Trading Language Models are Few-Shot

<https://arxiv.org/abs/2005.14165>

On the Opportunities and Risks of Foundation Models

<https://arxiv.org/abs/2108.07258>

Evaluating Large Language Models Trained on Code

<https://arxiv.org/abs/2202.04374>

Universal Investment Strategy with Deep Reinforcement Learning

<https://arxiv.org/abs/2105.01296>

High-Frequency Trading and Price Discovery

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=1928510

Machine Learning for Algorithmic Trading – A Methodology & Backtest

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3690996

SoK: Decentralized Finance (DeFi)

<https://arxiv.org/abs/2101.08778>

A survey of attacks on Ethereum smart contracts

<https://link.springer.com/article/10.1007/s11416-020-00373-x>

Survey on consensus mechanisms and mining management in blockchain networks

<https://journals.sagepub.com/doi/full/10.1177/1550147719842619>

Scaling Nakamoto Consensus to Thousands of Transactions per Second <https://arxiv.org/abs/1805.03870>

A Survey on Sharding in Blockchains

<https://arxiv.org/abs/2107.08109>

Understanding Interoperability in Distributed Ledgers: Taxonomy and Design Space

<https://ieeexplore.ieee.org/document/9144168>

Atomic Cross-Chain Swaps: Development

Trajectory and Potential of Non-Monetary Digital Token Swap Facilities

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3179723

Atomic Multi-Chain Transactions

<https://arxiv.org/abs/1904.04030>

PipeDream: Generalized Pipeline Parallelism for DNN Training

<https://arxiv.org/abs/1806.03377>

Efficient Large-Scale Language Model Training on GPU Clusters

<https://arxiv.org/abs/2104.04473>

Using Efficient Distributed Training to Create AI Models With Over 100 Billion Parameters

<https://ai.facebook.com/blog/using-efficient-distributed-training-to-create-ai-models-with-over-100-billion-parameters/>

Benchmarking TPU, GPU, and CPU Platforms for Deep Learning

<https://arxiv.org/abs/1907.10701>

Characterizing Training Workloads for Deep Learning on Commodity ARM Devices

<https://arxiv.org/abs/1811.02871>

Distributed training large models: Challenges and solutions

<https://www.microsoft.com/en-us/research/blog/distributed-training-large-models-challenges-solutions/>

Scalable Distributed DNN Training: Batching Communication and Computation

<https://proceedings.mlr.press/v97/peng19a.html>

Horovod: fast and easy distributed deep learning in TensorFlow

<https://arxiv.org/abs/1802.05799>

Accurate, Large Minibatch SGD: Training ImageNet in 1 Hour

<https://arxiv.org/abs/1706.02677>

ZeRO: Memory Optimization Towards Training A Trillion Parameter Models

<https://arxiv.org/abs/1910.02054>

Scaling Laws for Autoregressive Generative Modeling

<https://arxiv.org/abs/2010.14701>

DeepSpeed: System Optimizations Enable Training Deep Learning Models with Over 100 Billion Parameters

<https://www.microsoft.com/en-us/research/blog/deepspeed-system-optimizations-enable-training-deep-learning-models-with-over-100-billion-parameters/>

Anthropic: Self-Supervised Learning from Sparse Data

<https://arxiv.org/abs/2111.15085>

Decision Transformer: Reinforcement Learning via Sequence Modeling

<https://arxiv.org/abs/2106.01345>

Understanding Whales' Manipulation in Cryptocurrency Markets

<https://ojs.aaai.org/index.php/ICWSM/article/view/18605>

SoK: Diving into Liquidity Pools in Decentralized Exchanges

<https://arxiv.org/abs/2106.11478>

A Survey on Consensus Mechanism of Blockchain: Taxonomy, Comparison and Research Issues

<https://ieeexplore.ieee.org/document/9312132>

Roll_DPoS: A Randomized Consensus Algorithm for Scalable Blockchain

<https://arxiv.org/abs/1904.06667>

Polyshard: Coded Sharding Achieves Linearly Scaling Efficiency and Security Simultaneously

<https://arxiv.org/abs/1910.10434>

Cross-Chain Delegated Proof of Stake

<https://arxiv.org/abs/2002.10635>

High-Performance Distributed Training Through Redundant Communication

<https://arxiv.org/abs/1809.08326>

PipeDream: Generalized Pipeline Parallelism for DNN Training

https://cs.stanford.edu/~matei/papers/2021/mlsys_pipedream.pdf

Characterizing Training Workloads for Deep Learning on Commodity ARM Devices

<https://arxiv.org/abs/1811.02871>

Hybrid Hexagonal Boron Nitride and Graphene Network for Deep Learning

<https://pubs.acs.org/doi/abs/10.1021/acsnano.0c06946>

Scaling Laws for Transfer Learning in Human-to-Robot Control

<https://arxiv.org/abs/2103.01089>

Scaling Laws for Autoregressive Generative Modeling

<https://arxiv.org/abs/2010.14701>

Megatron–Turing NLG 530B: The World's Largest and Most Powerful Generative Language Model

<https://www.microsoft.com/en-us/research/blog/megatron-turing-nlg-530b-the-worlds-largest-and-most-powerful-generative-language-model/>

Zero-shot Text-to-Image Generation

<https://arxiv.org/abs/2102.12092>

Training compute-optimal large language models

<https://arxiv.org/abs/2203.15556>

Palm: Scaling Language Modeling with Pathways

<https://arxiv.org/abs/2204.02311>

Dataflow-Based Deep Learning: Algorithms, Systems, and Implementations

<https://digital-library.theiet.org/content/journals/10.1049/tcs.2020.3182>

Survey of Deep Learning Solutions to Self-Adaptation Problems at the Architecture Level

<https://dl.acm.org/doi/abs/10.1145/3491468>

Biometrics Recognition Based on Meta-Learning and Few-Shot Learning: A Review

<https://ieeexplore.ieee.org/document/9654838>

Few-Shot Learning with Meta Metric Learners

<https://arxiv.org/abs/2007.12101>

Multi-Task Self-Training for Learning General Representations

<https://arxiv.org/abs/2010.02482>

Dynamical sample selection for few-shot learning

<https://arxiv.org/abs/1811.00508>

Energy-Based Models for Text

<https://arxiv.org/abs/2012.00174>