

TRADEWINDS

TRADING SIMULATORS

Financial literacy through trading simulators, interactive games, and competitions. Clean, high quality financial literacy instruction modules with rewards and milestones.

AI RESEARCH AGENTS

AI agent Oracles for career and college guidance - Stock and crypto research - Trading strategies - Macro environments.

INSTITUTIONAL PARTNERSHIPS

Reach new users, market your trading interface, products, and locate emerging talent.



OVERVIEW



TRADEWINDS is a scalable financial literacy and career readiness platform designed for classroom integration as well as individual learners. Aligned with U.S. public and private education frameworks, it addresses a growing demand in the \$1.34 trillion U.S. and \$7.6 trillion global education markets, offering financial institutions a direct pathway to engage the next generation of investors, savers, and professionals.

The platform combines a real-time trading simulator, gamified financial education, and an AI-powered career advisor that matches students with future-proof career paths and personalized college recommendations. Students learn by doing—watching tutorials, simulating trades, completing challenges, and earning digital rewards that drive ongoing engagement.

Unlike traditional financial literacy programs, TRADEWINDS operates with a sustainable revenue model. Financial institutions can pay to integrate branded tools, simulators, tutorials, or career tracks directly into the student experience. Sponsored competitions, educational content, and institutional marketing placements offer additional high-visibility opportunities.

Teachers receive a plug-and-play resource aligned with CTE and CTSO standards, helping schools qualify for federal Perkins funding without adding to their workload. For institutions, it's a powerful way to build early brand loyalty, fulfill CSR and talent pipeline goals, and participate meaningfully in the future of financial education.

STRUCTURE



TRADING SIMULATOR

The simulated order book gives students a hands-on way to learn the fundamentals of investing through real-time trading scenarios and data-driven analysis. It serves as a dynamic environment where users can apply what they've learned, compete with other schools in portfolio challenges, and earn rewards tied to performance and participation.

Designed to mimic real-world markets, the simulator builds familiarity with key investing concepts like order execution, asset allocation, risk management, and both technical and fundamental analysis. It also opens the door to strategic partnerships with traditional and decentralized finance platforms, allowing institutions to integrate their own tools, data streams, or branded environments into the learning experience—helping students build real-world financial fluency in a safe, engaging setting.

AI CAREER ORACLE & RESEARCH AGENT

TRADEWINDS features two powerful AI tools designed to support students in planning their futures and developing research skills critical for success in finance and beyond.

The Career Oracle is a conversational AI agent that helps students explore careers aligned with their interests, personalities, and values. It offers guidance on in-demand industries, warns of roles likely to be impacted by automation, and curates college and training pathways based on each student's academic strengths, budget, and preferences. This gives students a clear, personalized roadmap toward meaningful, resilient career choices.

The Research Agent is an intelligent assistant that helps students build real-world analytical and critical thinking skills. It guides users through structured research tasks, such as investigating market trends, evaluating investment strategies, or comparing companies. It can recommend credible sources, organize findings, and prompt students to think deeper with Socratic-style questioning. Whether researching stocks, crypto projects, economic trends, or business models, the agent helps students learn how to gather and synthesize information like a professional analyst.

GAMING INCENTIVES

Gaming elements can be a powerful tool to motivate students and enhance retention of educational content. By integrating rewards like access to exclusive in-game levels, collectible items, or cosmetic upgrades, students are incentivized to engage more deeply with the learning experience.

For example, students might gain “energy” in a game by completing a financial literacy task—such as watching a tutorial on automated market makers (AMMs), then applying that knowledge in a simulated environment by swapping tokens or adding liquidity to a pool. In return, they might earn digital items like skins, power-ups, or badges that enhance their in-game status or progression.

Games that are tightly integrated with educational objectives—where mastery of concepts directly unlocks meaningful rewards—create a feedback loop that boosts learning outcomes, fosters healthy competition, and makes complex financial concepts fun, tangible, and memorable.

TOKENIZED INCENTIVES

The TRADEWINDS platform is built around a dynamic system where students can earn digital rewards and tokens through meaningful participation. Users accumulate incentives by engaging with educational content, such as watching tutorials, completing quizzes, and excelling in trading simulator competitions.

Additional opportunities to earn can come from participating in integrated games, offering peer-to-peer services, or creating and exchanging digital items within the platform. As new features and use cases are developed, the ecosystem will continue to expand—offering students even more ways to learn, contribute, and be rewarded for their progress.

SCHOOL ADOPTION

Public schools receive federal Perkins funding to support Career and Technical Education (CTE), and a portion of this funding is tied to participation in Career and Technical Student Organizations (CTSOs). These programs promote career exploration, competition, and leadership within recognized industry clusters.

TRADEWINDS aligns with the finance cluster and is designed to qualify as a CTSO, making it highly attractive to schools and districts seeking funding without added burden on teachers. Because state-level CTSO approval closely mirrors federal standards, securing adoption becomes significantly more scalable once initial approval is granted.

Beyond funding, this pathway opens doors to valuable relationships with the Association for Career & Technical Education (ACTE) and other key stakeholders in education policy—many of whom are former SEC commissioners and leaders from the U.S. Department of Education. These connections create long-term strategic advantages, including increased visibility and potential policy influence in the growing space of financial education and digital literacy.

INTERACTIVE LEARNING AND REAL -TIME ANALYTICS

TRADEWINDS offers a structured learning journey powered by high-quality video tutorials, interactive quizzes, and real-time analytics. Students progress from foundational concepts to advanced strategies—such as technical and fundamental analysis—while receiving immediate feedback on performance.

Quizzes reinforce retention and serve as gateways to unlock tokens or rewards, while analytics tools allow students to track their growth and compare results across peer groups. Together, these features turn complex financial concepts into measurable, motivating, and personalized learning experiences.

PARTNERSHIPS

While the platform’s reward system can function entirely within its own ecosystem, there’s strong potential for external partnerships that expand token utility. Financial apps, educational platforms, or social media services could accept tokens for perks like boosted content visibility, premium access, or branded learning paths.

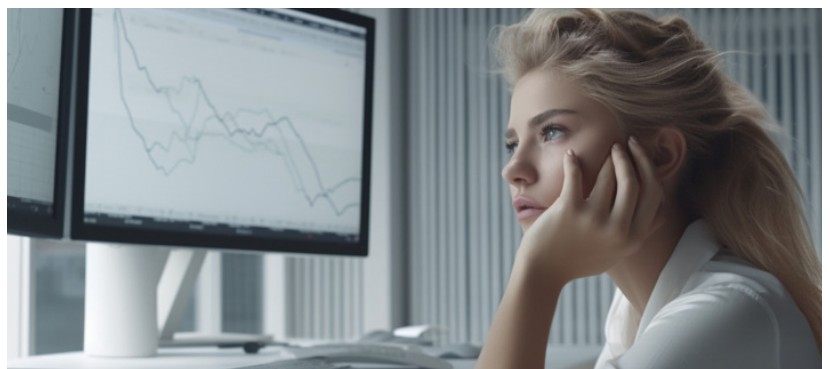
Blockchain projects may also use the simulator as a marketing tool—offering token incentives, whitelist access, or airdrops to users who engage with simulations modeled after their protocols. As adoption grows, customized simulators and token integrations could become a powerful, low-cost way for fintech and Web3 companies to onboard new users and promote products through hands-on learning.

TOKENIZED INCENTIVES

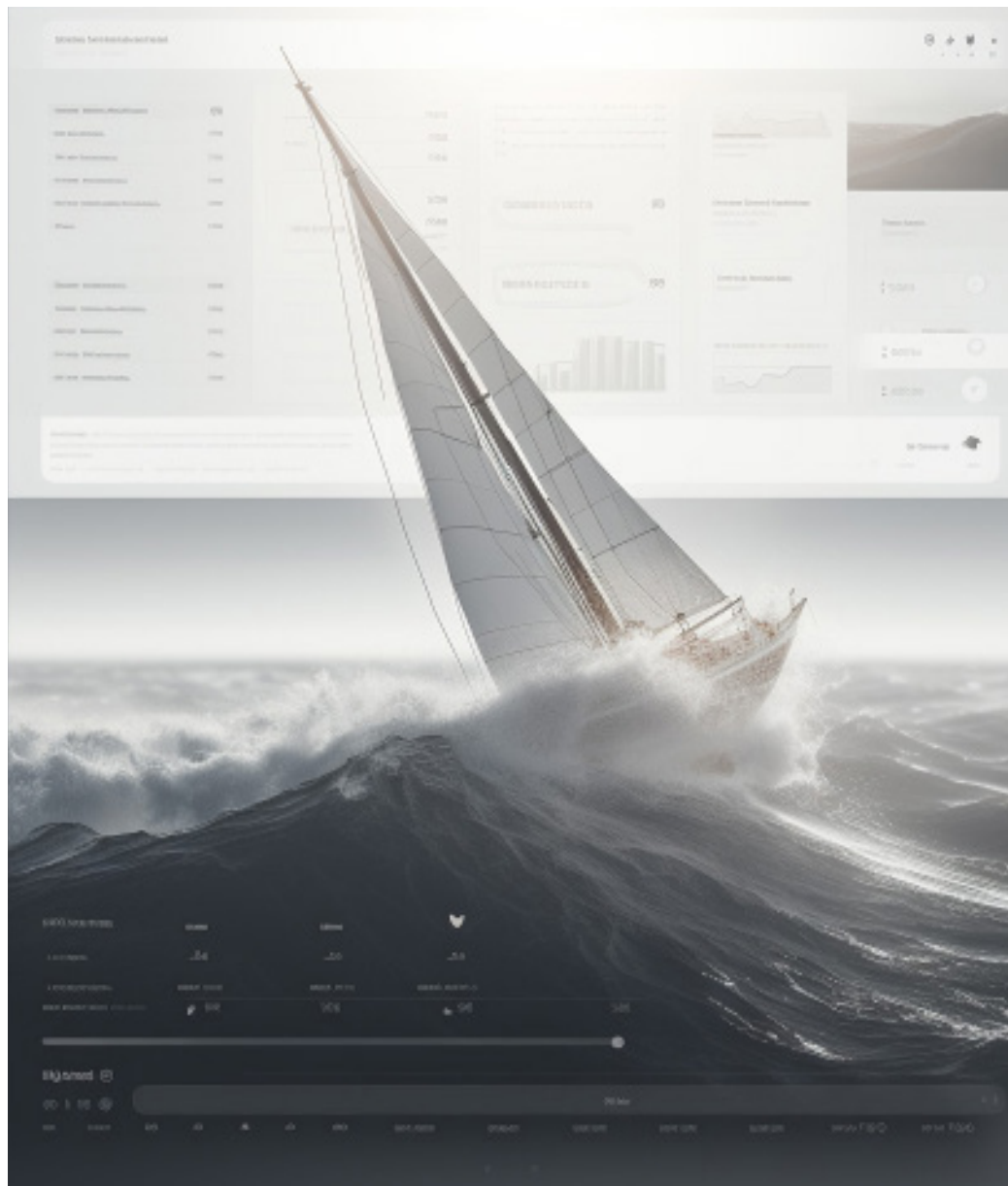
DIGITAL ASSET INTEGRATION

FINANCIAL LITERACY EDUCATION

COMPETITIONS



STATISTICS



CLEAR COMPETITION STATISTICS

REAL TIME RANKINGS

ANALYTICS DATA

SIMPLE ORDER BOOK EXECUTIONS

GRAPHS

COMPETITION STATISTICS

RANKINGS

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Alex started his career with Van Der Moolen Specialists, a market maker on the New York Stock Exchange floor, and eventually moved into teaching high school CTE (career and technical education) as a finance and media teacher with Seattle Public Schools. Along with this he has been working with several blockchain/AI startups such as SingularityNet/FetchAI and more recently Verafy.AI a Solana based “real-time community notes for LLM’s and agentic systems”.

Alex is uniquely qualified to lead this project having extensive knowledge of finance, blockchains, AI & Agent building, educational systems - how money flows top down, school adoption pipelines, and has been testing this concept for over 4 years in the classroom.