



Build Alpha

Machine Learning: Build Alpha algorithmic trading software was created in order to help professional traders, money managers, and institutional investors create countless robust algorithmic trading strategies to meet their own risk criterion across asset classes.

This unique algo trading software allows traders and money managers the ability to create hundreds of trading algorithms with NO programming required. Furthermore, traders and money managers can stress test each and every trading strategy in mere seconds. Everything is point and click.



Build Alpha is a genetic program that will search billions of possible entry signal combinations, price action events, exit criterion, technical indicators, and much more to form the best trading algorithms based on user selected fitness functions (Sharpe Ratio, Net Profit, etc.) and test criteria. More importantly, everything is point-and-click.

Shortly after hitting “Simulate”, the user will see hundreds of trading systems in a sort-able table. Next, the user will be able to view profit factors, Sharpe ratios, win percentages, equity curves, multiple different kinds of Monte Carlo analysis techniques, and our own industry leading robustness techniques such as: unique forward Variance Testing, noise testing and more to stress test each trading strategy.

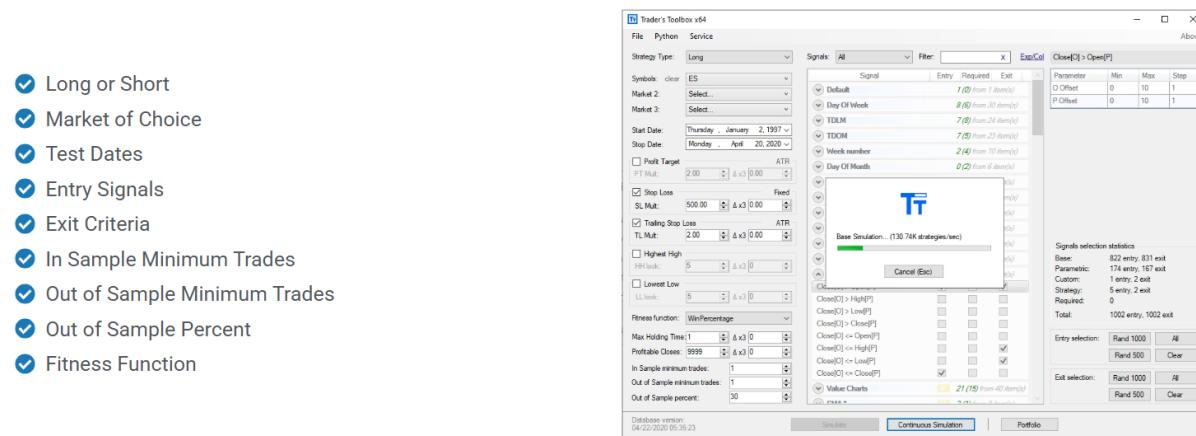
Additionally, Build Alpha provides the ability to build portfolios of algo strategies, track correlations among strategies, stress test strategies, and much more. Finally, Build Alpha also prints out full strategy code for NinjaTrader’s C#, TradeStation’s EasyLanguage, MultiChart’s PowerLanguage, and for both MetaTrader4 & 5.



Build Alpha is based on genetic algorithms, but in particular on genetic programming.

Genetic programming is a form of machine learning inspired by evolutionary theory. It is an evolutionary algorithm in which computer programs are automatically generated and improved to solve specific tasks. Various program variants are generated, combined with each other, and modified by mutations. Finally, selections are made. The variants are evaluated using a fitness function that indicates how well they perform the desired task and which ones are allowed to "reproduce" further. Over the course of several generations, the programs are continuously refined until they deliver a good solution.

Genetic programming then independently generates program code, in contrast to genetic algorithms, which "only" search for good solutions but cannot program themselves.



Across Markets

One of the main problems with system trading is the "overfitting" of data. This means that a trading system is developed that fits historical data too closely and no longer works with new, current data.

With Build Alpha, it is possible to develop strategies across markets, i.e., to search for logics that work in many markets. The idea behind this is that if a strategy can be generalized well and the trader/money manager can trust that the trading rules are not too specific to the data of a single market, but will also work with new data and in other markets.

Build Alpha Lifetime License

1.500,00 \$ USD

Order Build Alpha with German-language support via **WST GmbH ONLY** via this link:

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