



## S&P500 (ES)

The S&P500 (ES) is trying to halt the slide back towards the 2022 low as seen by the near complete weekly Hammer following last week's weekly Hammer. After having reversed nearly half of its Dead Cat Bounce off the October low, odds are roughly equal for a slide back to the 2022 low by late January as it is for the Dead Cat Bounce to reach downchannel resistance (on the weekly chart) in the same time period. Watch for potentially sharp volatility going into mid next week with lower liquidity as a result of the holiday, triggered by any escalation in the Ukraine-Russia conflict. Congratulations to paying subscribers who benefited from [the Oct 18, 2022 analysis highlighting the early stages of a month plus Dead Cat Bounce](#), or from [the February 18, 2020 analysis one day before the record high in the ES, warning of the pending slide in the S&P500](#). The weekly MACD is trying to negatively cross, weighing on the bottomish weekly RSI and Stochastics. I am looking to enter short in the red zone (of the daily chart), targeting the green zone for Friday. The amber/yellow zone is where I might place a stop if I was a swing trader (although in my personal account with which I seldom hold overnight I sometimes set my stops tighter).

### Weekly/Daily/4hr



## GOLD (GC)

Gold (GC) is almost complete in its near month long Bull Flag consolidation, pushing up towards this week's December high. Regardless of the low liquidity going into early next week (shortened due to New Year's), odds are decent going into mid next week for GC to extend its ascending wedge (on the daily chart) and to resume its Bull Flag (on the weekly chart). GC is now comfortably above the 38.2% Fib retrace of the March to October slide and downchannel resistance (on the weekly chart). GC is all but assured a weekly close above the psychologically key 1800 whole figure level, with a moderate probability of a test of the 50% Fib by next week sometime. GC has completed a major bottom within the consolidation since August 2020 (as can be seen more easily on a monthly chart on [tradingview.com](https://tradingview.com)). The escalation in the Ukraine-Russia conflict deserves close monitoring. [Congratulations to paying subscribers who benefited from the Nov 2, 2022 analysis suggesting that SI was in the early stages of forming a major bottom](#). The weekly, daily and 4hr RSI, Stochastics and MACD are bottomish, rallying or consolidating recent gains. I am looking to enter long in the green zone (of the daily chart), targeting the red zone for Friday. The amber/yellow zone is where I might place a stop if I was a swing trader (although in my personal account with which I seldom hold overnight I sometimes set my stops tighter).

### Weekly/Daily/4hr



Write to [info@tradablepatterns.com](mailto:info@tradablepatterns.com) to learn about how Institutional/Accredited Investors can gain access to:

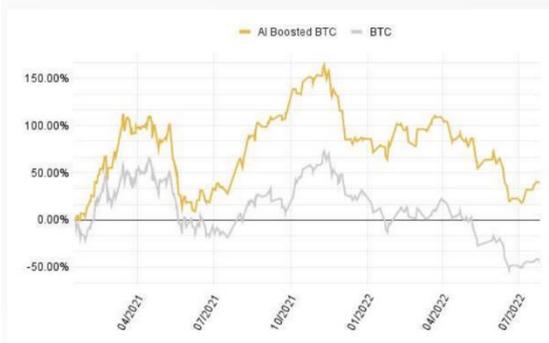
- 1) Futures/FX/ETF arbitraging, marketmaking SG-regulated newly setup HF entity where prop group (behind HF) has since Jan 2020 generated in USD, ~10M in net revenue each yr, has capital base of 5.6M, net annual return of 180%, 7.5 Sharpe, 2.5M in its best month, 230k in its worst month, and has had positive trading days 93% of all days;

team's ex-Goldman Sachs, DRW, Jump, Standard Chartered; opportunity is via debt, equity or VCC

- 2) Top 0.1% of 30k+ tech startups that apply to Y Combinator (#1 accelerator) each yr, via SG-regulated PE firm that mimics VC founded by Y Combinator alumni w/ 8x fund markup in 20 months
- 3) HK-regulated Web3 VC (co-founders managed USD 7B in prior careers, and have raised USD 25M of USD 50M target before 1<sup>st</sup> deployment)
- 4) UK-regulated fund of crypto hedge funds (targeting allocation across 7-14 HF's)
- 5) Neural network AI-based crypto exposure
- 6) Deeply discounted listed tokens
- 7) High growth Seed to Series B stage equity and convertible debt opportunities within tech (mostly blockchain/crypto-related)
- 8) Difficult to access Seed stage token rounds for blockchain/crypto startups w/ strong management teams and product-market fit

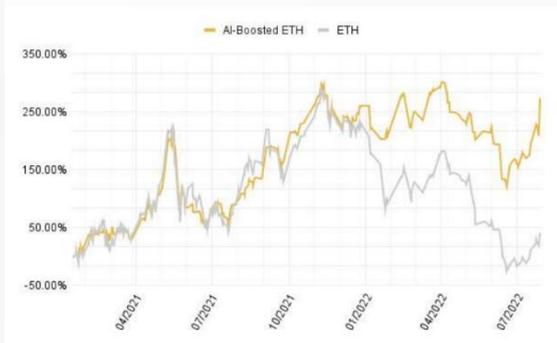
**BTC** 15.01.2021 - 25.07.2022  
(18 months, 10 days)

**+38.05%** AI  
**-44.93%** BTC



**ETH** 15.01.2021 - 30.07.2022  
(18 months, 15 days)

**+269.04%** AI  
**+39.34%** ETH



**20+ months**

Track Record Since  
Nov 2020

**120+**

Customers  
Worldwide

**\$311.5M**

Aggregated Trading  
Volume





**ETH:BUSD**  
Mar 24 – Jul 23, 2021  
[Read details](#)

### ROI

Duration  
**122 Days**

Trades Made  
**227**

Market Returns:  
**+17.55%**

Difference:  
**+55.29%**

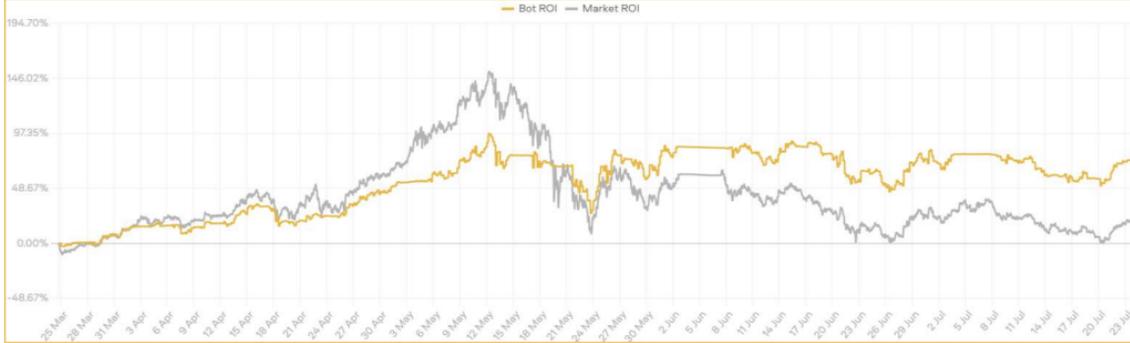
AI Returns:  
**+72.84%**

Excess returns / month:  
**+13.54%**

### Drawdown

Market Drawdown:  
**-58.34%**

AI Drawdown:  
**-35.72%**



**LTC:USDT**  
Jan 13, 2022 – ...

### ROI

Duration  
**>172 Days**

Trades Made  
**154**

Market Returns:  
**-64.51%**

Difference:  
**+76.80%**

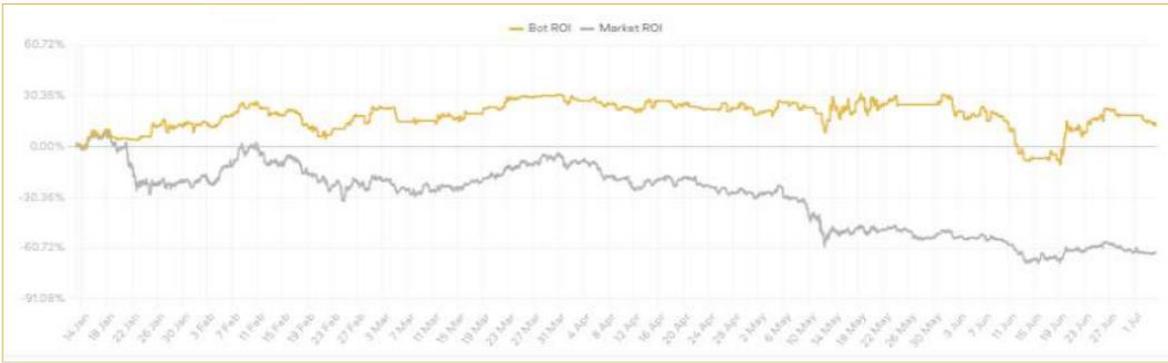
AI Returns:  
**+12.29%**

Excess returns / month:  
**+13.35%**

### Drawdown

Market Drawdown:  
**-70.15%**

AI Drawdown:  
**-29.92%**



## AI Performance: More Examples



**XMR:USDT**  
Feb 22 – Jun 20, 2021  
[Read details](#)

Duration  
**123 Days**

Trades Made  
**143**

Market Returns:  
**+14.06%**

Difference:  
**+159.01%**

Strategy Returns:  
**+173.07%**



**ETH:BUSD**  
Mar 24 – Jul 23, 2021  
[Read details](#)

Duration  
**122 Days**

Trades Made  
**227**

Market Returns:  
**+17.55%**

Difference:  
**+55.29%**

Strategy Returns:  
**+72.84%**



**TRX:USDT**  
Jan 10, 2022 – ...  
[Read details](#)

Duration  
**>160 Days**

Trades Made  
**94**

Market Returns:  
**-13.08%**

Difference:  
**+42.39%**

Strategy Returns:  
**+29.31%**





LTC:USDT  
Jan 28, 2022 – ...

Duration  
**>146 Days**

Trades Made  
**119**

Market Returns: Strategy Returns:  
**-50.74%** **+14.29%**

Difference: **+65.03%** Excess returns / month:  
**+13.54%**



BTC:USD  
Mar 23 – Jul 21, 2021

Duration  
**124 Days**

Trades Made  
**279**

Market Returns: Strategy Returns:  
**-42.55%** **+28.42%**

Difference: **+70.97%** Excess returns / month:  
**+17.74%**



We use machine learning to create trading signals and generate consistent alpha (market outperformance) since 2020.

### Strategies Summary

- 9 active models based on AI/ML
- Trades spot (live since Nov 2020) and futures (in testing, ETA Dec 2022)
- Trades highly liquid markets (BTC, ETH, BNB, etc.)
- Model input: Market data (OHLCV)
- Model output: BUY/SELL/HOLD + % portfolio
- Trade frequency: 4-10 trades per week (8-10x AUM/mo)

### Technology Summary

- Developed in-house, proprietary
- Not a rule-based algo
- Cutting edge neural network architectures (LSTM, GRU, Performer (Transformer), GMLP, Filter)
- Self-learning and adaptive (uses reinforcement learning)
- Scalable to other markets
- Difficult to replicate

#	Fund / Index	Jan, 2021	Feb, 2021	Mar, 2021	Apr, 2021	May, 2021	Jun, 2021	Jul, 2021	Aug, 2021	Sep, 2021	Oct, 2021	Nov, 2021	Dec, 2021	2021
1	AI	+15.92%	+19.48%	+12.61%	+27.63%	-18.55%	+2.20%	+10.78%	+21.18%	+10.41%	+32.29%	-8.92%	+1.47%	+200.22%
2	Bitcoin (BTC)	+14.37%	+36.41%	+30.11%	-1.78%	-35.38%	-6.09%	+18.63%	+13.42%	-7.02%	+39.90%	-7.22%	-18.75%	+59.63%
3	Eurekahedge Index	+31.95%	+35.87%	+18.62%	+11.21%	-13.46%	-10.39%	+8.35%	+23.70%	-8.88%	+24.41%	-1.02%	-12.16%	+142.28%
4	ProShares BITO									+0.88%	-9.21%	-21.08%	-27.72% *	
5	Rivemont	+14.4%	+25.90%	+15.30%	+6.5%	-4.10%	-20.60%	-0.60%	+27.90%	-15.50%	+25.70%	-3.70%	-20.90%	+38.52%
6	Incrementum			-0.02%	+4.85%	-6.11%	-9.95%	+2.46%	+11.80%	-6.98%	+15.66%	+0.08%	-6.68%	+2.01% *
7	15 FICAS	+29.69%	+33.67%	+9.34%	+50.46%	-26.12%	-16.67%	-3.04%	+17.04%	-14.18%	+33.93%	-12.33%	-15.97%	+68.70%
8	Crypto Alpha	+4.20%	+7.90%	-5.40%	+2.30%	+0.50%	-3.80%	+6.20%	+1.60%	+3.40%	+4.50%	+2.40%	-8.50%	+14.91%
9	Grayscale DLC	+14.87%	+27.79%	+23.56%	+4.50%	-27.13%	-9.03%	+10.36%	+29.14%	-11.56%	+40.58%	-5.23%	-17.29%	+74.51%
10	Bitwise 10	+27.26%	+27.94%	+26.32%	+6.95%	-28.89%	-10.05%	+10.65%	+30.18%	-10.13%	+41.32%	-4.77%	-20.46%	+94.98%
11	ICONOMI	+52.27%	+44.34%	+26.41%	+16.06%	-30.17%	+0.03%	+11.62%	+31.41%	-10.11%	+43.75%	+1.30%	-16.74%	+260.05%
12	Cyber Capital							+8.61%	+40.16%	-7.07%	+22.11%	+5.83%	+2.24%	+86.91% *
13	F5 Crypto												-4.73%	-4.73% *
14	Icoinic Capital	+35.80%	+29.10%	+31.10%	+16.00%	-14.20%	-5.50%	+14.60%	+20.50%	-5.00%	+27.50%	-0.30%	-10.30%	+223.37%
15	Average	+24.07%	+28.84%	+17.09%	+113.15%	-18.51%	-8.17%	+8.22%	+22.34%	-6.88%	+27.12%	-3.08%	-12.13%	+101.99%

#	Fund / Index	Jan, 2022	Feb, 2022	Mar, 2022	Apr, 2022	May, 2022	Jun, 2022	Jul, 2022	Aug, 2022	Sep, 2022	Oct, 2022	Nov, 2022	Dec, 2022	2022 *
1	AI	-12.30%	+10.52%	+12.77%	-14.71%	-3.15%	-21.54%	+35.93%						-3.71%
2	Bitcoin (BTC)	-16.70%	+12.18%	+5.41%	-17.30%	-15.56%	-37.32%	+16.95%						-49.58%
3	Eurekahedge Index	-18.98%	+3.44%	+9.00%	-15.47%	-15.96%	-19.86%	+17.97%						-38.65%
4	ProShares BITO	-16.31%	+8.84%	+8.54%	-16.55%	-17.59%	-40.94%	+27.50%						-48.81%
5	Rivemont	-15.00%	0.00%	+10.60%	-12.30%	-13.00%	-29.60%	+11.60%						-43.65%
6	Incrementum	-9.86%	+7.20%	+10.12%	-6.71%	-13.74%	-17.10%	+10.78%						-21.36%
7	15 FICAS	-16.61%	-12.59%	+2.55%	-5.99%	-27.56%	-27.38%	+13.95%						-57.87%
8	Crypto Alpha	-9.40%	-2.00%	+0.10%	-0.90%	-6.30%	-4.00%	+2.30%						-18.95%
9	Grayscale DLC	-24.28%	+9.44%	+11.37%	-17.18%	-23.68%	-41.41%	+36.16%						-53.46%
10	Bitwise 10	-21.08%	+6.53%	+11.27%	-17.23%	-23.88%	-41.35%	+36.84%						-52.70%
11	ICONOMI	-25.47%	-1.91%	+27.92%	-15.22%	-35.12%	-29.90%	+35.71%						-51.05%
12	Cyber Capital	-32.11%	-0.85%	+36.45%	-14.83%	-49.98%	-33.25%	+19.31%						-68.84%
13	FS Crypto	-14.00%	-0.13%	+13.41%	-11.97%	-24.53%	-17.15%	+10.46%						-40.78%
14	Icoinic Capital	-21.80%	+1.90%	+24.00%	-12.60%	-19.90%	-27.00%	+31.00%						-33.85%
15	Average	-18.14%	+3.04%	+13.11%	-12.78%	-20.71%	-27.70%	+21.89%						-45.55%

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Price	Quantity	Total BTC
59,003.69	0.0200	9.6537
59,000.60	0.0050	9.6337
59,000.49	0.0002	9.6287
58,999.76	4.0154	9.6285
58,900.00	3.0778	5.6131
58,867.67	1.9545	2.5352
58,849.10	0.0191	0.5806
58,846.99	0.1219	0.5614
58,846.98	0.0750	0.4395
58,836.37	0.0196	0.3645
58,821.74	0.0202	0.3449
58,788.47	0.0408	0.3247
58,769.79	0.0837	0.2839
58,763.99	0.2002	0.2002
<b>Spread</b>	<b>\$33.70</b>	
58,730.29	0.0837	0.0837
58,719.92	0.2002	0.2839
58,697.04	0.0200	0.3039
58,690.69	0.1553	0.4592
58,684.91	0.0219	0.4811
58,684.90	0.0198	0.5009
58,661.34	0.0410	0.5419
58,661.05	0.0002	0.5421
58,660.40	0.0002	0.5424
58,659.56	0.0002	0.5426
58,658.27	0.0025	0.5451
58,657.56	0.0004	0.5455
58,654.49	0.0010	0.5465
58,654.25	0.0100	0.5565

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# CRYPTO WEEKLY OUTLOOK

Feb 13, 2022

**TOP50's TOP10 (BTCUSD, XTZUSD, XRPUSD, ETHUSD, FTTUSD, CROUSD, SANDUSD, MANAUSD, AVAXUSD, TRXUSD)**

## BITCOIN (BTCUSD) Daily



Darren Chu, CFA  
 Founder  
 Tradable Patterns



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**Crypto Weekly Outlook** offers technical Analysis for 10 coins from the top 50 in market cap that are most interesting for the coming week from a TA standpoint.

If you represent an institution and are interested in Fundamental analysis on ETHUSD, BTCUSD and on the industry, please write to [info@tradablepatterns.com](mailto:info@tradablepatterns.com) for the institutional edition available each last Sunday of each month.

[Sample from report \(Nov 28, 2021\) right before a deepening in the crypto market correction.](#)



## CRYPTO WEEKLY OUTLOOK

ETHEREUM + INDUSTRY FUNDAMENTALS + BITCOIN + RIPPLE

### ETHEREUM (ETHUSD)

Nov 28, 2021

Ethereum (ETHUSD) is deepening in its correction, and appears poised to slide further this week. Significantly, ETHUSD is at high risk of exceeding the September pullback in magnitude, following in Bitcoin (BTCUSD)'s footsteps. The current 2 week downturn is testing the psychologically key 4k whole figure level, and appears to be gravitating towards an uptrend support line (on the weekly chart) connecting the July and September lows. Odds are elevated for a test of the 50% Fib retrace of the July to October rally sometime in December. ETHUSD's correlation to BTCUSD (on a weekly chart) is at 0.95, near the upper end of its 5 year range. [Congratulations to readers alerted August 1st of the completion of the major June-July bottom](#), and to those who heeded [the warning May 16th of the major top forming](#). The weekly RSI, Stochastics and MACD are tiring, weighing on the attempting to bottom daily RSI and Stochastics. I am likely going to remain flat this week but would consider going long in the 3000-3300 range, targeting a 3000-4000 range for December.

#### Weekly (Liquid)



Darren Chu, CFA  
Founder  
Tradable Patterns



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# COFFEE DAILY

Jan 2, 2022

## ROBUSTA COFFEE (RC)

Robusta Coffee (RC) edged lower Friday, closing 2021 just below the fresh year high. Significantly, with the new year beginning, odds are high after last year's strong bull market for RC to at least see a healthy correction. RC is bumping up against upchannel resistance (on the weekly chart), with some hesitation late last week as seen by the 2 consecutive daily Dojis. Any test of the psychologically key 2500 whole figure level will likely have to wait until at least Feb February. The weekly and daily RSI, Stochastics and MACD are rallying or consolidating recent gains. I am looking at entering long in the green zone of the daily chart (in the ~2270-2330 range), targeting the red zone (of the daily chart in the ~2400-2450 range) for Friday. The amber/yellow zone (in the ~2190-2240 range) is where I might place a stop if I was a swing trader (although in my personal account with which I seldom hold overnight I sometimes set my stops tighter).

### Weekly/Daily/4hr



Darren Chu, CFA  
Founder  
Tradable Patterns



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