

Investing in Quantum Computing
Rahul Ghosh
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Personal Background

I graduated with a Bachelors in Biochemistry from a top 15 university(UCLA) when I was 17. I have been studying markets since I was 9. I have been professionally trading financial markets since 2008(when I was 18). I was in the 99.99th+ percentile(top out of 10,000+ traders) on Dukascopy Trader Contest for the 9 years of its existence. I was banned 5 years through the contest by request of other traders for doing too good. My trading is based on market maker theory. That market makers trap retail money into bad positions intentionally and then manipulate markets through supply/demand imbalances.

Over 1005 trades, I received 19004 pips, resulting in an average pips of 18.9 per trade. My Z score for my performance on 5:1 leverage is 12.6 standard deviations above the mean. From a statistical point of view my results are statistically more significant than Warren Buffett or George Soros during their lifetime trading careers. From a p-value standpoint, my results are the equivalent of scoring perfect on the SAT's 500 times in a row or winning the lottery jackpot 200 times in a row with single ticket plays. My Z score is the equivalent of scoring 280 IQ on a 27 month long IQ test.

https://www.youtube.com/watch?v= AskZfNQdKo&feature=emb_logo

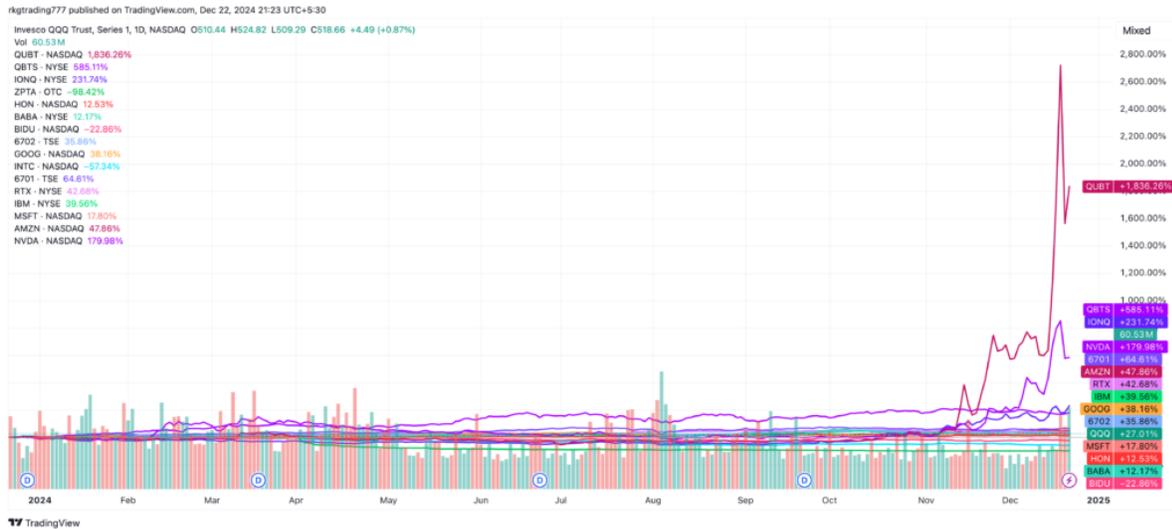


					5 X		PnL
					12.609584	Z	8.3664340
					1.2336561	mean	370.14036
	18.252491				0.4234487	std	421.95750
rahulkghosh	27	244.46	144.46	1.07223	6.5731684		3900.42
FXDON	16	271.02	171.02	1.08551	3.7165609		2736.32
Bigfxtrader	61	136.5	36.5	1.01825	3.0138355		2226.5
snowshow	70	130.13	30.13	1.015065	2.8481950		2109.1
ahmach1	41	141.93	41.93	1.020965	2.3412350		1719.13
mano930	15	209.84	109.84	1.05492	2.2299385		1647.6
Skif	46	134.22	34.22	1.01711	2.1823505		1574.12
tow	30	150.81	50.81	1.025405	2.1225744		1524.3
Aeappk53	11	218.58	118.58	1.05929	1.8843587		1304.38
prisechin	2	826.35	726.35	1.363175	1.8582460		1452.7
NoWay	8	247.52	147.52	1.07376	1.7670863		1180.16
Gieffe2003	11	203.64	103.64	1.05182	1.7432339		1140.04
passionforex	10	213.52	113.52	1.05676	1.7368553		1135.2
Airmike	60	118.49	18.49	1.009245	1.7369862		1109.4
ajmalakbar	8	239	139	1.0695	1.7117735		1112
vania1234	45	123.46	23.46	1.01173	1.6900838		1055.7
cocciolla	49	120.41	20.41	1.010205	1.6446222		1000.09
sohail	23	143.65	43.65	1.021825	1.6430850		1003.95
DEMO2Qtrgr	25	139.53	39.53	1.019765	1.6311825		988.25
oscbox	20	148.42	48.42	1.02421	1.6135418		968.4
rasheed85	11	187.12	87.12	1.04356	1.5984227		958.32
cozard007	10	191.15	91.15	1.045575	1.5615356		911.5
spaima1976	9	201.08	101.08	1.05054	1.5585234		909.72
Bimlesh	52	117.03	17.03	1.008515	1.5541138		885.56
Kungfuforex	24	136	36	1.018	1.5344285		864
GARNALOS	13	166.7	66.7	1.03335	1.5318518		867.1
Profin	19	144.45	44.45	1.022225	1.5183904		844.55
Erialda	45	118.64	18.64	1.00932	1.5180971		838.8
SibinSebasti	4	316.1	216.1	1.10805	1.5074309		864.4
mohands_mc	60	113.36	13.36	1.00668	1.4910301		801.6
svetashopk	15	153.25	53.25	1.026625	1.4831242		798.75
xyzne	10	180.32	80.32	1.04016	1.4825231		803.2
Ghani	6	228.89	128.89	1.064445	1.4545858		773.34
vietfx	7	209.73	109.73	1.054865	1.4533766		768.11
fxsurprise8	45	116.27	16.27	1.008135	1.4399293		732.15
FxMidaso	58	112.43	12.43	1.006215	1.4324044		720.94
tradercillo	3	346.47	246.47	1.123235	1.4171371		739.41
Miss_Forex	15	146.96	46.96	1.02348	1.4164146		704.4
punditz	17	141.02	41.02	1.02051	1.4121911		697.34
nsreddy	2	462.89	362.89	1.181445	1.3958122		725.78
Koryphaeen	13	151.42	51.42	1.02571	1.3909760		668.46
mohsen223	36	118.24	18.24	1.00912	1.3865683		656.64
dung01	25	126.12	26.12	1.01306	1.3831815		653

Recently Google announced breakthrough results in their quantum computing research. The 105 qubit chip Willow was able to do calculations that would take the most powerful supercomputer over 10^{25} years. This is a remarkable improvement of million quadrillion (10^{21}) fold over the last 5 years. What is even better is that they demonstrated much better error correction. I expect that the results will be improving at an accelerating pace. The next 5 years we can easily see quantum computers becoming googol (10^{100}) fold more powerful with even better error correction. I recommend that people have the following portfolio of 18 quantum computing companies with an allocation of 5% each. I believe over the next 5 years, these companies can easily average 100%+ per annum.

- [Rigetti Computing \(NASDAQ: RGTI\)](#)
- [Quantum Computing Inc \(NASDAQ: QUBT\)](#)
- [D-Wave Systems \(NYSE: QBTS\)](#)
- [IonQ \(NYSE: IONQ\)](#)
- [Zapata AI \(NASDAQ: ZPTA\)](#)
- [Honeywell Quantum \(NASDAQ: HON\)](#)
- [Alibaba Group \(NYSE: BABA\)](#)
- [Baidu \(NASDAQ: BIDU\)](#)
- [Fujitsu \(TYO: 6702\)](#)
- [Google \(NASDAQ: GOOG\)](#)
- [Intel \(NASDAQ: INTC\)](#)
- [NEC \(TYO: 6701\)](#)
- [Raytheon \(NYSE: RTX\)](#)
- [Toshiba \(TYO: 6502\)](#)
- [Nvidia \(NASDAQ: NVDA\)](#)
- [IBM \(NYSE: IBM\)](#)
- [Microsoft \(NASDAQ: MSFT\)](#)
- [Amazon \(NASDAQ: AMZN\)](#)

Below is a 1 year chart of these quantum computing companies. Over the previous 1 year, the average performance was 192%.



I should note, that based on the last 5 years, we have seen an increase of performance of quantum processors at above 1,000,000%+ a year. I believe the rate will rapidly increase over the next 5 years to above 1,000,000,000,000,000,000%+ a year. Semiconductors have been improving at a pace of about 40% per annum and their companies have returned 25% per annum over the last decade. I believe once we get past a certain error correction threshold in quantum processors over the next few years, the value of quantum computers will rapidly accelerate higher

Below is the trailing performance of semiconductor ETF symbol SMH.

Trailing Returns	Day End			Month End			Quarter End				
	1-Day	1-Week	1-Month	3-Month	YTD	1-Year	3-Year	5-Year	10-Year	15-Year	
Total Return % (Price)	1.61	-2.72	0.07	2.02	38.79	43.55	19.22	28.74	25.78	22.48	
Total Return % (NAV)	1.60	-2.72	0.08	2.06	38.83	43.58	19.22	28.71	25.78	—	
Category (NAV)	1.34	-2.30	2.74	9.63	24.71	27.36	5.62	15.68	16.61	15.79	
Index (NAV)	1.55	-1.17	2.72	9.02	38.24	40.33	16.44	24.75	21.50	19.35	
Quartile Rank	■	■	■	■	■	■	■	■	■	—	
Percentile Rank	23	73	89	88	13	11	2	3	2	—	
# of Invest. in Cat.	213	214	214	210	207	207	192	169	145	129	

Rahul Ghosh

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Current Citizenship: United States

Current Location: Kolkata, India

Date of Birth: October 5, 1990

Location of Birth: Los Angeles, California

Time of Birth: 7:22 AM

Educational Background

UCLA, Bachelor of Science in Biochemistry

Graduation Date: June 2008

Comments: Graduated at age of 17

Standardized Test Scores

Scholastic Aptitude Test

Age Taken: 14(3 years below average test-taker)

Percentile: 97th Overall, 99th Math, 91st Verbal

Medical College Admissions Test

Age Taken: 16(6 years below average test-taker)

Percentile: 97th Overall, 99.9th Physical Sciences, 95th Biological Sciences, 70th Verbal

Publications

Expression-Based Cell Lineage Analysis in *Drosophila* Through a Course-Based Research Experience for Early Undergraduates

PMID: 31690598

Co-Author

Track Record

Dukascopy Trader Contest

Months Participated: 27 months between May 2011 and September 2015

Total Pips(Unleveraged Pip Points): 19004 over 1005 Trades(18.9 Pips Per Trade)

Pips Ranking: 99.99th+ Percentile(#1 out of 10,000+)

Total Profit: \$3,900,420(\$144,400 on Average Per Month)

Profit Ranking: 99.99th+ Percentile(#1 out of 10,000+)

Z Score on 5:1 leverage: 12.6 Standard Deviations above Mean

Intellectual Property

Trading Contest Plan

Unleveraged Returns: 30%+ on 1 Trillion Notional(\$300B+ in Annual Profits)

Minimum Startup Investment: \$10 Million

Projected Cumulative Profits over first 5 years: \$1.5 Trillion+

Polling Plan

Unleveraged Returns: 40%+ on 100 Billion Notional(\$40B+ in Annual Profits)

Minimum Startup Investment: \$1 Million

Projected Cumulative Profits over first 5 years: \$90 Billion+

