What is Your Brief Opinion On the Long-Term Strategy of Zcash?

Zcash launched in October 2016. After so many years, it is still an unknown cryptocurrency that has yet to undergo the test of time. It’s likely that unexpected technological consequences will arise from Zcash development. When it comes to governance, Zcash is completely open and the team behind Zcash has incentives to build out the project to fruition as they’re payout is contingent upon the creation of Zash.

In the long run, governments will increase regulations on cryptocurrencies and when that happens, Zcash will increase in importance as it is able to fully protect the privacy of cryptocurrency transactions through zero-knowledge cryptography. This technology will allow crypto traders to secure their funds in an inevitably regulated crypto market of the near future.

Zcash is one of the top privacy blockchains, which uses cryptography to provide increased privacy for its users. Unlike Bitcoin, Zcash technology includes an optional feature for anonymity with transactions, and blockchain technology. While there is a lack in transparency regarding the founding teams reward percentage, the 20% tax is supposed to last 4 years, which makes the currency much less attractive for mining.

Before Zcash there was The Zerocoin protocol, which was improved upon and eventually transformed into the Zerocash system and later developed into the Zcash cryptocurrency in 2016. Zcash is the first open, permissionless cryptocurrency which fully protects the privacy of transactions using the zero-knowledge cryptography protocol. It offers total payment confidentiality, whilst maintaining a decentralized network using a public blockchain.

Zcash aims to create an open, global economic platform that doesn’t exclude anyone. The team behind Zcash places utmost importance on developing blockchain technology with strong privacy as it strengthens social ties, enables democracy and protects societies against their enemies. Additionally, Zash exists to enable users of Zash to help protect the network against failure and corruption.

The anonymous transactions produced from Zash’s technology are referred to as shielded transactions, which strongly contrasts with Bitcoin where anyone can view your balance and all other bitcoin addresses you have ever transacted with once you publicly share your address. Further differentiating itself from Bitcoin in terms of privacy, Zash transactions hide the sender, recipient, and value of transactions on the blockchain. Users have complete control over who can and cannot see their view key.

Zooko Wilcox is the founder and CEO of Zash and has 20 years of experience in open, decentralized systems, cryptography, information security, and startups. The Zash development team is filled with a diverse array of highly skilled and experienced experts in cryptography, security, decentralized systems, economics, financial technology, and privacy. Moreover, the board of Zash includes rock stars like Gavin Andresen (Chief Scientist of the Bitcoin Foundation), Vitalik Buterin (Founder of Ethereum), and a few more successful cryptocurrency experts and researchers. Lastly, the investors of Zash include Pantera Capital, Fenbushi Capital, and Digital Currency Group.

What is your opinion on the long-term strategy of Zash?
Of the 8 wallets discussed in the course, only paper wallets, Trezor, and the Ledger Nano S support Zcash.

Of the 6 exchanges discussed in the course, Binance, Bittrex, Kraken, Gemini and Poloniex support Zcash.

What distinguishes Zcash from other cryptocurrencies is its ability to allow private transactions (and private data) in its public blockchain. Zcash fulfills this by offering users the option of shielded transactions allowing for information about the amount or parties involved in the transaction. In addition, Zcash’s zero-knowledge technology offers protection against any endeavor to steal or cheat.

The technology was built by cryptographic researchers and security-specialized engineers making it a highly secure crypto. It was built to address the security limitations of Bitcoin whilst improving transaction privacy.

How is Zcash different from other cryptocurrencies (in addition to differences in security protocols if applicable)?

What is the developer community like for Zcash? Include information like do you think they seem committed to improving the cryptocurrency or are they open source or not, etc.?

Please comment on the strength of the security of Zcash when compared to other cryptocurrencies.

The threat for Zcash is that an attacker could create fake zk-SNARKs by breaking the crypto directly all without having access to the trusted setup backdoor because of the parameters

When regulations on cryptocurrencies emerge. Zcash will elevate in importance as a hedge against the increased probability of a regulatory war on crypto.

Does Zcash have any notable reference customers or partners (i.e., large companies or government agencies that use or have positive things to say about Zcash)?

Does Zcash have any code bugs for investors that are a concern for investors?

Please comment on the strength of the security of Zcash when compared to other cryptocurrencies.

What is the current supply of shares of Zcash available today?

What will be the maximum supply of shares of Zcash available AND what approximate year will the maximum supply be at (ie 2040)?

Zcash has a max supply of 21 million which are expected to be fully mined by 2032.

What is the current supply of shares of Zcash available today?

~ 3.7 million

STEPS 25-26: Zcash Security & Differentiation Versus the Competition

STEPS 27-28: Wallets and Exchanges that Support Zcash

STEPS 29-30: Current and Maximum Supply # and Date of Maximum Supply of Zcash

STEPS 31-33: Country, Accounting and Bug Risks of Investing in Zcash

STEPS 34-35: What would make you MUCH MORE or MUCH LESS positive on Zcash?

STEPS 36-39: Mining Incentives, Reddit & Twitter Followers for Zcash
**STEP 36:** Is there an economic incentive for people to improve Zcash (ie through mining etc? Please explain)

Yes, miners are rewarded in Zcash for finding blocks, validating transactions and securing the network.

**STEP 37:** How many Reddit readers does Zcash have?

Zcash has 12,767 Reddit readers, compared to an average of 192,950 for these ten cryptocurrencies: BTC, ETH, XRP, LTC, XMR, ZEC, DASH, NEO, ADA, XLM.

**STEP 38:** How many Twitter readers does Zcash have?

Zcash has 65,700 Twitter readers/subscribers, compared to an average of 363,890 for these ten cryptocurrencies: BTC, ETH, XRP, LTC, XMR, ZEC, DASH, NEO, ADA, XLM.

**STEP 39:** [Optional] Write in the space below the name of another social media company like Twitter that is worth tracking in your country when doing research on Zash and comment on the metrics relative to other cryptocurrencies similar to what you have done in Step 38.

**FACT #2:** The World’s Largest Stock Value: The value of the largest company in the world on the stock market (which is Apple) is: $685,000,000,000.

**Fact #3:** % of the Stock Market Value in the Largest Stock: The % value of the largest stock as a % of the world’s market cap is about: 0.47%

**Fact #4:** The Value of the World’s Money Supply: The total of all of the money supply added up in the world is: $50,000,000,000,000.

**Fact #5:** According to www.CoinMarketCap.com, the market cap of all cryptocurrencies is: $122,000,000,000.

**Fact #6:** The percent of the market cap of all cryptocurrencies as a percent of all money supply in the world is: 0.47%

Please note, the target price (below this box) is just a sample, please watch the video associated with this called **(A) Using My Investment Framework to Analyze Zash** for more details.

You can update your version of the target price in the upcoming lecture, called: **(A) An Exercise on Creating YOUR Version of the Zcash Investment Framework.** For more details, please watch **(A) An Exercise on Creating YOUR Version of the Zhash Investment Framework.** Thanks

**STEP 40:** What % of all of the money in the world do you think will be in cryptos in 20 years (we need to think long term when analyzing crypto)? Use the grey up & down arrows on the right to select your answer or just type in your value in the yellow box: **10%**

Based on your answer of 20 million coins, this implies that your 20 year estimate of the value of the price of Zcash will be $865,000,000,000 US dollars.

**STEP 41:** What percent of the ENTIRE cryptocurrency market do you think Zcash will have in cryptocurrencies in 20 years? Use the grey up and down arrows on the right to select your answer in the green box...or just type your answer in the green box: **20 Million coins**

Based on your answer of 20 million coins, this implies that your 20 year estimate of the value of the price of Zcash will be $865,000,000,000 US dollars.

**STEP 42:** What do you think the supply of coins for Zcash will be in 20 years? Use the grey up and down arrows on the right to select your answer in the orange box...or just type your answer in the orange box. You can use the answers in Steps 29 and 30 if you want to:

**STEP 43:** If you wanted to discount the future price into today's value using your own discount number of years and your own interest rate, then please plug those 2 parameters into the boxes on the right to get a more conservative discounted price as of today.

---

**WHAT ABOUT DISCOUNTING THE FUTURE VALUE?** You might now be thinking that if we are forecasting what the target price will be in the future, then we should discount that future price into today's amount as a dollar that we receive in the future is worth less than a dollar that we receive today (if that sounds confusing, please make sure to watch the lecture called "(A+B) Steps 40-43: Estimating on the Long-Term Target Price on the Crypto"...and think of the reverse logic...meaning if we invested $5 in the bank today, it would be worth more in the future because of interest that we would make in our bank account...so we would prefer to get that $5 today rather than in the future. The math below will clear this up).

**Optional**

Enter Discount # of Years: **20**

Enter Discount Interest Rate: **10%**
**Based on all of the assumptions listed above, and using a discount time period of 20 years and using a discount interest rate of 10%, the target price for Zcash is $6,689**

### STEPS 44-49: Technical Analysis for Zcash

Please watch the lesson mentioned in the yellow box on the left before looking at the technical analysis concepts below. Please note that the aforementioned lesson will explain how to look at charts when you do your technical analysis (please please please focus much more time on your long term fundamental analysis instead of technical analysis). Please watch the lesson mentioned in the yellow box on the left before looking at the technical analysis concepts below. Please note that the aforementioned lesson will explain how to look at charts when you do your technical analysis (please please please focus much more time on your long term fundamental analysis instead of technical analysis).

#### Zcash Price:

495.56

### STEP 44: AVERAGE 3 MONTH VOLUME DATA:

<table>
<thead>
<tr>
<th>Volume Data</th>
<th>3 Month Daily Volume for Zcash: 7.48BM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average 3 Month Daily Volume</td>
<td>$1,837M US Dollars</td>
</tr>
<tr>
<td>3 Month Daily Volume for Zcash in Canadian dollars</td>
<td>$2,366M Canadian dollars</td>
</tr>
</tbody>
</table>

Please look at the average 3 month volume of Zcash in the data for Step 44. Is this cryptocurrency liquid enough for you to easily buy or sell in 1 trading day? Please enter your comment below.

In most cases, the cryptocurrency volume is high enough for us to be able to get in or out of within 1 day if needed. I want to put this concept on your radar screen now so that you can better assess the volume characteristic if you ever transact in less liquid cryptocurrencies as illiquid investments own us in a bad market (rather than vice versa).

### STEPS 45-49: Technical Analysis for Zcash:

#### STEP 45: 52 WEEK HIGH DATA:

<table>
<thead>
<tr>
<th>High Price</th>
<th>799.47</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Change from 52 Week High</td>
<td>-55.91</td>
</tr>
</tbody>
</table>

Please look at the price of the 52 week high for Zcash in the data for Step 45 and comment on the data below. Zcash is 69.38% below the 52 week high price of 799.47. Most of the time, the price will be below the 52 week high. If the % below the 52 week high is material, then this could indicate that sentiment is negative given a negative news item or negative sentiment on the entire crypto market or another reason.

#### STEP 46: 52 WEEK LOW DATA:

<table>
<thead>
<tr>
<th>Low Price</th>
<th>86.75</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Change from 52 Week Low</td>
<td>-159.56</td>
</tr>
</tbody>
</table>

Please look at the price of the 52 week low for Zcash in the data for Step 46 and comment on the data below. Zcash is 185.53% above the 52 week low price of 86.6. Most of the time, the price will be above the 52 week low if the % above the 52 week low is material, then this could indicate that sentiment is positive given a positive news item or positive sentiment on the entire crypto market or another reason.

#### STEP 47: 200 DAY MOVING AVERAGE DATA:

<table>
<thead>
<tr>
<th>Moving Average</th>
<th>244.58</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Change from 200 Day</td>
<td>-31.26</td>
</tr>
</tbody>
</table>

Please look at the price of the 200 day moving average for Zcash in the data for Step 47 and comment on the data below. Zcash is 249.57% above the 50 day moving average of 244.58, which indicates that sentiment may be positive on Zcash. (If the % above the 50 and 200 day moving averages are positive, then, this means that sentiment could be very positive and vice versa.)

#### STEP 48: 200 DAY MOVING AVERAGE DATA:

<table>
<thead>
<tr>
<th>Moving Average</th>
<th>358.82</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Change from 200 Day</td>
<td>-31.68</td>
</tr>
</tbody>
</table>

Please look at the price of the 200 day moving average for Zcash in the data for Step 48 and comment on the data below. Zcash is 315.81% above the 200 day moving average of 358.82, which indicates that sentiment may be positive on Zcash. (If the % above the 50 and 200 day moving averages are positive, then, this means that sentiment could be very positive and vice versa.)

### STEP 49: RELATIVE STRENGTH INDEX (RSI):

#### What is the RSI and How Should I Consider Using the RSI Data?

If you want, please watch the lesson mentioned in the yellow shaded column on the left before starting before reading the rest of Step 49. The Relative Strength Index (RSI) can indicate if too many people have been buying or selling and a technical mean reversion chart movement could occur (I generally love buying when everyone else is selling and vice versa as long as I love the underlying long term fundamentals on the underlying cryptocurrency).

#### Potential Buy Indication Using the RSI:

An RSI close to 20, indicates that the cryptocurrency may be oversold, which is a great buy signal if you love the long term fundamentals.

Potential Sell Indication Using the RSI:

If the RSI is close to 80, then this could indicate that you might want sell and book a little bit of profit and hopefully buy the cryptocurrency back at a lower level (when it is no longer overbought). There is nothing wrong will booking a little bit of profit by trading every now and then...but we are more focused on being long-term investors.

Click any cryptoeconomy button below to see its RSI chart. If you don’t see RSI at the bottom of the chart after clicking on one of the buttons below, then click on INDICATOR in the top left hand corner after you click the button and add the RSI. Make sure you are using the most recent dates on the chart. If you get an error message in your browser, go to finance.yahoo.com and create the chart for whatever crypto you are using. Thanks

<table>
<thead>
<tr>
<th>Chart</th>
<th>Chart</th>
<th>Chart</th>
<th>Chart</th>
<th>Chart</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSI Chart for Bitcoin</td>
<td>RSI Chart for Ethereum</td>
<td>RSI Chart for Ripple</td>
<td>RSI Chart for Litecoin</td>
<td>RSI Chart for Monero</td>
</tr>
<tr>
<td>RSI Chart for Neo</td>
<td>RSI Chart for Dash</td>
<td>RSI Chart for Zcash</td>
<td>RSI Chart for Stellar</td>
<td>RSI Chart for Cardano</td>
</tr>
</tbody>
</table>

If you want, please enter your thoughts on the RSI chart that you looked at in the space below:

Here is an example on how to complete this RSI comment: "oversold now at an RSI near 20 (means a buy signal only if you are long term positive on the fundamentals of this cryptocurrency based on your research in the many many steps completed above me on this report) ...or..." "overbought now at an RSI near 80 (means I might consider taking a bit of profit if I own this cryptocurrency and buy that small amount back at a lower RSI)...or..." If you want to start a position, then it might not be the right time given how overbought the RSI indicator suggests." (Please read the contents of the yellow box below thanks.)

I have to stress again, that in general, please be more long term-focused so we can be long-term owners and not merely "tourists" or "renters" of any investment. If we do our thorough research on any investment, then we are more likely to be long-term focused (if we like the fundamentals based on our research process). This will ensure that we don’t sell at the worst time and vice versa like most investors do (which often creates opportunities for the better informed investors to profit in the long run). Of course, and as a disclosure, positive returns are not guaranteed by this course...I just want to help you understand how to research investments. Thanks.