

Livia 0:27

Well, thank you so much for participating in our study and for joining us. Very excited to have you contributing and hear your thoughts. And, yeah, as a reminder, the goal of the study is to answer our overarching question, that is what is token engineering. So we're looking into the definition and current practices, needs and challenges that are needed to advance the field. So we'll take around 45 minutes to an hour. And you can omit any questions and withdraw from the study at any point and we're going to be recording and have the transcription and Natalia. Lisa will also take a look at the data. And yeah, that should be it before we start. Do you have any questions?

Participant 27 2:21

Well, I guess the video won't really be used anywhere, right? It's just mostly the transcriptions and stuff.

Livia 2:28

We're only keeping the audio. Yeah, the video is not even going to the cloud.

Participant 27 2:34

recording in progress back cool. I was just curious. I don't really mind.

Livia 2:40

Cool. So do you want to tell me a little bit about your personal journey of how you got involved in your field of work?

Speaker 2 2:47

Um, yeah, I suppose. I will say on the record. I have a background in journalism and political science. I worked in mainstream TV news for 10 years, lived and traveled all over the world. Also was a kindergarten teacher yoga teacher, helped to build a project management, software startup, and then in between journeys, my college roommate actually is one of the original cofounders of \$name\$ His name is \$name\$ He's kind of lesser known he left Left the foundation shortly after. And he told me about crypto and 2014 or actually 2013 and then we met for lunch. Because we're from both from Florida. And so he's like, yes, we need Joe. This revolution. I'm like, What are you talking about? So anyway, then I he was like, You should buy \$name\$ it's \$8. And then I was like, No, I'm busy moving to Japan. What do you want about and then I started studying and anyway, I ended up while I was teaching kindergarten in Japan, trading crypto and my breaks and I was doing deep research for several months and I started to realize the potential of the technology. Then I started doing communications work for some different crypto projects and \$name\$ introduced me to \$name\$ and then I worked with \$name\$ for some time went off grid for a bit and I started running some crypto events, and then further along, circle back and ended up working with \$name\$ et

al on \$name\$, and then I made my way to \$name\$. So I first learned about token engineering through the \$name\$. And I first started having conversations with \$name\$ around some of the frameworks that were being built this new emerging field and then became involved in the community and through several people who were kind of originating and and trying to crystallize this idea of token engineering and what it was as a field. Maybe that was a little too long.

Livia 5:05

No, that was great. Thank you. And can you tell us about your role in the field right now?

Speaker 2 5:12

Um, so right now I'm currently running the communications team, and also doing research at \$name\$ We have three kinds of research pods that have emerged. One is in technical infrastructure. So that's looking at AI data ontology and different data structures that enable, I guess, new forms of distributed computing and what is being called soft infrastructure during governance of distributed networks. I put together the governance course for the \$name\$ with name\$ at \$name\$. So yeah, doing a lot of reading, writing, editing, supporting a lot of interconnections between projects, because I feel there's still kind of a gap in some of this knowledge commons and also kind of public goods, different contracts, frameworks for resources, distribution, an allocation for coordinating workflows, and applying this technology in different contexts. So yes, and then I guess I need to say anything, I guess, yeah. That's probably good.

Livia 6:36

And how would you define token engineering?

Speaker 2 6:41

Well, I think, let's see. I mean, how I usually describe it to people is kind of I would say maybe an informal rather informal definition of applying engineering methodologies, and the responsibility and ethical considerations of the field of engineering to these new digital economic systems. And viewing these systems as digital public infrastructure. That's generally how I describe it to people. I've heard it described as, like a digital civil engineering. I think there have been some attempts around a more formalized definition. I know there were particular reasons why \$name\$ and \$name\$, in their original conversations, debated hard between economic engineering, which actually there is some literature around academically and I think there's a bit of a there is a field there versus token engineering. I think I made one of the first attempts to crystallize the definition in documentation and one of the blogs that I was supporting in the \$name\$, which was just trying to integrate other people's definitions because there were a few so I pulled definitions from \$name\$ in his original token engineering piece. \$ name\$ wrote a few pieces. Those were that was kind of like the first documentation of token

engineering, and I pulled them all together in the piece. I believe it was wielding promethium fire. Why we need token adjourn public goods. I can't remember the exact title but I can find the blog and link it to but that is where I was trying to synthesize and put I think two or three definitions there. And since then, there have been, I think, different attempts to kind of define our crystallize. So yeah, that's the lineage for my library and understanding of like where the term came from. We were trying to catalyze some definitions around it, which was worked by many people I just had, like, was trying to get people to do the same thing a few years ago. So yeah, just trying to provide the all the links in the law library and maybe some of the origination of the term and in the context.

Livia 9:10

Yeah, that's, that's awesome that you looked so much into that. Do you think in your, in your opinion, why why was there a differentiation to economic engineering? Like what is the you share? Why engineering is important, but why did the term token was used for

Speaker 2 9:34

Yeah, actually, that's funny. You are asking I was thinking about that the other day, because it's come up in a few conversations at some events I've recently been attending. I wish I could I was just reading something by \$ name\$ on economic engineering, I would say token is economy is very broad. And it doesn't necessarily mean that it's web three technologies. So I think token is a signal to cryptocurrencies blockchain, web three and emerging tech. It's also a vague enough term or like abstract enough term that you it can stand for many things. So I think it's a combination of of noting that it is specifically involving crypto economic systems, and digital well I guess it doesn't say digital, but to me, I suppose token is pointing to that digital realm and kind of cryptocurrencies trying to think if there's anything else

Livia 10:41

yeah, that makes a lot it's

Participant 27 10:42

a specific it's it I guess it could be considered a field of economic engineering. But maybe it's distinct by itself because maybe economic also has this connotation or almost baggage with it of the existing field of economics, which I think we are trying to differentiate from as many of the principles or assumptions are not serving in a lot of ways, and there's, I guess, from what I've read in the criticisms of the whole academic field of economics is that they're trying to make a science out of something that's not necessarily that scientific and have cherry picked a lot of the way that assumptions are made, for example, like GDP as a measure that we're using, or maybe better. That inflation is necessarily tied with like employment and things like this. There's certain assumptions that are baked in. That there's deep

critique and evidence that those are not necessarily the case. So I think maybe it's also differentiating trying to, like include economics, but the the context or how economics are being viewed in this field are very different and don't come with those baked in assumptions.

Livia 12:08

That'd be a very, very nice perspective. Would you say that there is a step by step to the token engineering practice?

Participant 27 12:19

No, well, okay, wait, I don't want to jump to let me think first that What do you mean by step by step actually, you mean like a process by which are like a standardized

Livia 12:32

um, yeah, maybe we're having a lot of reflection of how there hasn't been a formal standard yet. But would you say from your observation of token engineering processes, that there is a step by step to which token engineering? Like how token engineering happens, like it starts here and ends there?

Speaker 2 13:01

No, I don't think so. I'll stick with that. I think token engineering as a young and emerging field doesn't have its own particular standardized process. I think what's been happening till this point, people who are deep in the field are applying other methodologies for example, model based systems engineering, and patterns from institutional design or using frameworks from the internet or field of computer aided or like digital ethnography, I think already exists. So I don't I wouldn't say that token engineering has a particular process. I think it's so far fields, a multidisciplinary frameworks that are being applied in this particular context. But I wouldn't say there's like a particular process. That's not Yeah, that's yet been distinctively for token engineering. Besides, you know, the \$name\$. Course was maybe a first attempt to try to come to some process, but even that process, I would say is incomplete in many ways. Because it's considering only one aspect and not necessarily addressing how to have a business model or, you know, legal considerations. There's kind of these other pieces. There's not just the kind of designing a token model for particular context, but there's a lot of other considerations for say like regulation or legal frameworks, or I would say there's many aspects that haven't yet been integrated to was a first attempt to define one part of a bigger journey.

Livia 14:57

There is an objective to the practice.

Participant 27 15:01

You mean a defined objective that's verifiable? Or do you mean like a

general goal?

Livia 15:10

If someone is looking for token engineering, what are they looking for?

Participant 27 15:19

I would say it is fairly clear that token engineering is an attempt to use scientific and well defined well, let's see. People are looking for some sort of scientific process or process by which you can use qualitative and quantitative assessments and or study through the lens of cultural and social norms and governance. Kind of all these different I don't know.

I guess the capacity Yeah, to use science and some sort of methodologies that have been tested. Over time on real world infrastructure and apply those in the realm of digital infrastructure. Some sort of Yeah, scientific process versus a more like random approach, or, for example, deploying a thing because it's cheap, and it's easy and just kind of copy pasting and that it might not be the best contextual application of a certain model or governance framework. So I think token engineering is seeking to bring like not only analysis and proper kind of modeling and designing for resilience or robustness, whatever that means for the particular community. That's being designed for but also

something there last

Livia 17:09

year, yes. Sorry to drill so much. Okay. Yeah, very curious about your perspective, but I think what you brought about this contextual the importance of the context.

Participant 27 17:29

Yeah, the contextual application of tools and frameworks, I know what I was gonna say, and also this kind of like, second order cybernetics or reflexivity, whatever you want to call it, where you're not only building a system, but you're trying to zoom out and of course you are a part of it and affecting it, but trying as much as possible to remove yourself and take a step back and look at are the things that we designed, doing the things we wanted them to do. So I'm actually been working article on this, like, for example, animating purpose, like why does an organization come together? Or why is this field existing? There's kind of an intention. There's that intention. Translated into documentation or code or whatever. And then there's what is the purpose as what is the system actually doing? But I think token engineering is seeking to validate that systems are doing what they were intended to do, and are finding places where the breakdowns are happening, and explore why is that happening? And using data science, and going beyond just opinions, mostly. That's awesome. But

yeah, and I don't want it Yeah, but I guess what I don't want to just sounded like completely robotic because I think there is this qualitative aspect and culture is such a huge part and social norms are a huge part of governance. So I think there is there are multiple sides, but I think it's the this like capacity to observe from a science based perspective and try to look at multiple parts of the system, do through surveys or whatever like you're doing now and kind of gathered this collective intelligence and this like quantitative data analytics perspective in order to make decisions or alter a certain system.

Livia 19:35

You have mentioned a few already, but which areas of knowledge do you consider important, essential for the token engineering practice?

Participant 27 19:43

I mean, it makes me think of the \$crypto economics flower\$. I thought that was pretty good attempt. What is important, I think, actually, what I've been thinking a lot lately, like, of course, it's important to have many areas of knowledge and that could include at least the basics of understanding some of the regulatory constraints. The institutional design, and Commons frameworks from \$Ostrom\$ to have some understanding of business models in kind of value production or utility monetary theory, I think, I'm just gonna say monetary theory because I think that's the probably pedal that is missing from the flower and when I've been looking into more the last few years with the \$name\$ is this monetary theory aspect of what is money looking at alternate forms of value circulation, such as mutual credit, or other types, maybe even beyond the token of ways that we can co invest and or exchange value. Does that fit into token engineering? I mean, that's probably a wider discussion, like if it does, if it doesn't involve a token. Maybe it's not token engineering, but I do think some of the lessons or monetary theory are really important when designing these kinds of systems. The last thing I'll say is yes, in addition to like having many fields of knowledge, I actually think what token engineering field could do and work towards is having more specialization because I don't think it's realistic for even one token engineer, whatever that means, to have all the fields of knowledge. I think, actually, it's this like having people who are really deep, having some generalists, and then kind of studying things or designing and analyzing things from these kind of different perspectives and it makes it a much more richer. Much more. Yeah, it's just a much richer way to look and it's kind of like where the wisdoms comes from and having the multiple facets of the diamond in different voices through different filters. Gives us a better idea of how we can find more harmonic like create more harmonic systems. And I'm using harmonic because usually we talked about we talk about optimization and actually \$name\$ then had an interesting point that, actually optimization also couldn't be understood as harmonization. But I heard I think it was from \$name\$, \$name\$, the bio regionalists recently

about optimizing for harm harmonic systems over like optimizing because I think optimization has a connotation of like optimizing for one particular thing versus balancing many trade offs, which I think token engineering, that's actually what we're trying to do is make visible the trade offs and design choices and then the community has the opportunity to debate discuss and signal what it is that they find important. So I think that's another really important aspect of token engineering that we're making visible. These trade offs and also helping to communicate that in a visual manner where everyone can align around the same mental model. So I think that's a big part of the work as well that I've observed over the last couple of years that's really powerful. And maybe goes beyond this. kind of idea of pure engineering.

Livia 23:43

Yeah. That's great. Yeah. And what challenges have you faced in your work personally?

Participant 27 23:53

Oh, man. Um, well, I suppose my work in \$name\$. Now, challenges still feels I think one of the biggest challenges is the kind of learning curve because every time you're working on a project there's always information asymmetry in a lot of directions. And also with knowledge, and having all of these different fields. Sometimes it's difficult people are saying the same thing, but in different languages, sometimes the challenges come from interpersonal dynamics or maybe different mental models around things, I suppose also. This space feeling like a bit more nebulous. Like without because we're trying to create new paradigms or patterns, it's sometimes a little confusing how to act or engage with an organization and DAO's are really difficult. Dows are so incredibly difficult to coordinate to work in May making just lots of different decisions with large groups of people, I think is still a big challenge in this space, like the coordination challenges. I do still see people saying there's not funding so still the challenge of funding public goods the challenge of attention span, building things and then not necessarily like following through or doing the post deployment analysis, maybe challenge of burnout or general fatigue from like the pace of work and or the lack of like, like balance cycles. Yeah, I think that's probably enough challenges. I could go on.

Livia 26:16

What are what do you see as the common pitfalls when practicing token engineering?

Participant 27 26:24

Assumptions?

Probably, let's see.pause. It's really interesting. Actually, a lot of clients who come to \$name\$ they don't really know what they want. So a

lot of the work is actually reflecting to them what they're saying that they want and seeing if that's actually what they want. And it's actually kind of a funny and somewhat long process of just getting to like the requirements and the constraints. We've noticed like noticing as well that a lot of organizations are not that organized, that like even when they're paying a lot of money to have a token engineering that they haven't. Like, there's a lot of problems within their organization to come to these kinds of big decisions as well. So it seems like a lot of organizations are having, for example, governance issues, challenges debating like you know, resource allocation, or they're having issues with regulations in their countries where they're having to, like stop work to attend to, you know, fixing their organization in some regard, whether it's the legal wrapper or it's, you know, interpersonal things or funding is much more volatile in the kind of crypto economic space. So I think the funding volatility also greatly impacts the work in a lot of ways. Thank you. All right. What was that question again? I just

Livia 28:17

know you do. We're totally inside the question. Yeah. About the pitfalls.

Participant 27 28:22

pitfalls. Yeah, I think I hit a good amount of them. Yeah, yeah. And maybe lack of standards actually. Lack of standards. Lack of like, we It feels like we started a lot from scratch because we don't have the proper library of like print primitives and models that we really need to do the work. So a lot of the work is from scratch. And there's a lot of stuff out there that you could just apply out of the box, but it's not necessarily tested, modeled, and people are just again, deploying usually what's easiest, not necessarily what fits the context, but if you want something that fits the context, it's much more expensive still, because there's not that many token engineers providing these services in a kind of really deep, thorough way. So, yeah, it feels like redoing a lot of the work that could if we just worked on basic stuff, like for example, I just keep seeing the same issues from from different projects coming in saying our Grants Program is a mess. We need to be able to distribute a large amount of money or they're saying, you know, we're having trouble distributing funding or there's like some of these kind of common same common issues that it feels like we're spending a lot of work attending to particular cases, but we could maybe have some some more kind of library of models and tools and things that people could deploy.

Livia 29:53

I think this question is, you answered, I think I think you answered pretty much all of it already but maybe looking from a slightly different perspective of what, what do you see as the most pressing needs. To address so what is that the practice of token engineering itself could be solving or what is needed for.

Participant 27 30:21

I think there could be a couple of different approaches. I don't think I have the answers, but I certainly have some ideas. I think it would be nice to take our experiment with the \$name\$ and come back to it I feel it's been said that we have a sustainable token model and we do not I think we could do some work around our own commons that we started to try to continue to find what we originally I think wanted to find, which was yeah, how do we kind of put our money where our mouth is or how do we walk the walk with our own token that we created? We did not. We went through many processes, but I still feel we could revisit with fresh eyes after a few years of experience in the fields and diverse experience. And look again, at what are the potential value flows in the community and I know this work is going on already and has been for a long time. So that's one potential approach is to work in our own home which that work is ongoing. But also people, more people could give it some attention and take more take some responsibility, including me, which I've been in discussions with. That's one approach. What else is the field need? The field definitely needs groups that are working on focusing on crypto economic primitives, for example, conviction voting. It's been deployed a few times you had but we discovered and have not documented some of the learnings from what happened for example, with \$name\$ and the \$name\$. We shut it off why and just like, you know, we didn't necessarily have a budget. So we discovered kind of some weaknesses, or maybe where you wouldn't apply conviction voting in this context. And there's so much more we can do with conviction voting to look at conviction would like as \$name\$ where you would have a more fluid release. Anyway, there's some ideas I won't go too far. But my point was just that even this one primitive like could have a whole working group or mini DAO or sub DAO guild around it. With funding that is producing documentation that's doing more modeling, studying, and then making kind of best practices about how to deploy and creating a git book that we could put in a bigger library or whatever. So I'm actually working on a post after conversations with \$name\$ and a few people about mapping this out to show the kind of how these crypto economic primitives evolved. From a pure research idea, for example, conviction voting at one point was just research. It was an idea then there was an article then there was an instance and a deployment and \$name\$ and then people were forking that so there is this process that we're seeing the same with \$name\$. It started as \$name\$ and \$name\$ having some conversations about this challenge, that many DAO's are facing, and then ideating and brainstorming on a particular solution. Then there was a few articles, then some you know, \$name\$ and some other people took that up, and now they're getting funding and they're trying to develop and build a deployment. But again, even after the deployment, we need the post deployment analysis and feed that continual like knowledge back into the loop. So this kind of applied research loop and feedback where we can keep developing the knowledge have those contracts available. So we could do this with core

primitives, like bonding curves, there's a bonding curve, research group now, we could probably use the conviction voting research group, we could identify a handful of primitives that all groups need, maybe it's a grant, you know, design pattern for dispersing, you know, funding using conviction voting on re granting. So anyway, that's kind of something I've been thinking about as a potential approach of where we can work to develop these primitives and of course, that all needs funding through grants, or we can generate revenue through services. And or we can become a re granting org like the \$name\$ could become a re granting. org. And get larger, get chunks of funding from bigger foundations that are having trouble deploying funding, because maybe they don't know or it's too much or they don't know how to how to do that. So some ideas. Yeah,

Livia 35:31

I appreciate the grounded examples you brought that would be very useful. And now moving to ethics. Can you describe the role of ethics and token engineering?

Participant 27 35:43

That's an interesting one. I studied ethics for journalism. So that's a particular field. I don't know I haven't researched too much about ethics, what you know, actually reading like, what that is what it looks like in different fields, I suppose. In this case, and there are some frameworks actually \$name\$ with all the AI stuff and we've been doing some AI research we're actually looking into some ethics frameworks that already exist for applying that to, for example, policymaking around AI. Ethics in the field of token engineering, I think has many different considerations. I think there's probably you know, gender diversity, equity inclusion, there's the data, data privacy, and personal information PII

I was just trying to think of some particular examples. Maybe I'll tell a story that illustrates this from \$name\$ dad, \$name\$ actually told this story that I thought, Whoa, this really encapsulates how important engineering is he lives in New York and he works for the New York highway system. He works for some big New York public infrastructure. I forget which one highway administration maybe and he told the story of how in the 1960s in New York, the engineers were building bridges. And there's this really fancy area out in New York I forget the name of it, but the it was very, like wealthy area. They they lobbied or some of the engineers actually built the bridges to low for buses. To pass because mostly it was minorities that were taking buses and rather than individual cars, so they basically limited the height of the bridge so that minority groups could not access these particular beaches in New York. So this was a form of discrimination, but it was crystallized in the engineering process and in the public policy that created the the engineering. So it's just kind of an interesting story that illustrates when you don't have different voices, or if you're not, you know, and I think ethics

actually can be, you can be consciously ethical or unethical and I think you can be unconsciously unethical because you maybe don't have the awareness of our particular group or their needs or the group you're designing for. Sometimes you are still it's still coming through your filter. So you may not have the full knowledge of the culture or the kind of, I guess you could call it. I think ethics would also include like , colonization and decolonization. And that having that awareness okay, I'm pretty happy with those. That's my brainstorm.

Livia 39:04

Thanks for sharing that story. That's very clarifying on do you have thoughts on how to increase diversity and inclusivity within the token engineering field?

Participant 27 39:20

I think it's probably I mean, I would say actually token engineering, like somewhat surprisingly, has been, for me, feeling fairly diverse. I think maybe we would need to identify what diverse means. And how would we measure something like that? What does it mean? And again, it's me one person, it feels diverse to me compared to other like, groups that work in technology, or I don't know that I have any ideas I guess. I mean, we can particularly seek out certain groups. Sometimes that also feels a little strange to me. So I'm not really I don't really have an answer there. I'll think on it some more. I think we've been fairly. I think we've been pretty inclusive compared to most fields or communities in the way that we are open to, to share and exchange knowledge with pretty much anyone that has come into this ecosystem. And try and find ways to, like give them like to have them identify what it is they are passionate or like to do and find ways for them to participate.

Livia 40:54

Right. So in your perspective, what are the incentives to be a practicing token engineer?

Participant 27 41:02

Incentive? I mean, I suppose a lot of them for me are non monetary, I think it's incentives. Knowledge is probably the number one. I think it's also an opportunity to be part of the ground level of a new emerging field, which that doesn't happen every day. So I feel like the opportunity to do really foundational work. The opportunity to explore possibility for deep systemic shifts. In the way that we are running our economies and creating our new economies. For me, I think those are pretty good motivation. incentives. Of course, these contracts and be quite lucrative, you know? So, if that's a motivator for people then that's their I think the opportunity to

do Yeah, try to just contribute to pattern shifting and creating new patterns. Of all I can think of right now.

Livia 42:44

Yeah, we've been having a lot of that, from many participants the feeling of working in a field that's so new and the intrinsic motivation of that. What do you think is the average salary of a token engineer?

Participant 27 42:59

Oh, good question. I still don't think we've identified what a token engineer actually is. I always thought this term was very vague, and I don't know that I really like it. I think it might be helpful to identify more specific roles, again, like kind of having this specialization like would be more clear, like I do, I focus on data science, in the field of token engineering, or I focus on governance research in the field, rather than saying I am the token engineer or I am not a token engineer. I don't think really serves because what does that mean? I've even question in my a token engineer. I've done some work on advisory contracts on token models. And I've written articles and I haven't a deep understanding, but I've had other conversations with say, \$name\$ who's like, unless you're able to derive algorithms and do certain certain engineering and design work and kind of the max that's required in order to create a token model, that maybe you're not a token engineer, and I'm like, I don't have a strong opinion. These are just some of the conversations that come up. I think for me, I'm thinking more and more that we should identify and distinguish specializations. In the field of rather than calling people token engineers because I think it's really super vague. And I don't know that we can come to a good definition of what that is. And if, like, we've said maybe we don't want to have some certifying body or something, maybe we do. So. Up in the air. But I think for me, that could be like a short term, something we could do to help to disambiguate some of the discussions or the way that we're referring to particular people in the work that they do.

Livia 45:05

Yeah, I appreciate that perspective. So in terms of average salary, would you see

Participant 27 45:12

average salary? So yeah, I guess, token engineers. I think it's definitely a range. I think there's people working for,

you know, maybe like \$100 an hour to \$600 an hour if you had to put an hourly on it. Sometimes, I guess, contract wise, I can say it really depends. On the context. Contracts for advisory work that are not hourly based, could be anywhere from a retainer of 10k per month, to I would say [Eroglu]. Max, if there's like a lot of work, so I think that's also kind of a huge range. So yeah, I'd say that's at the super deep level. If you're doing like [Shin] and you have a few engineers on the project plus communications people plus like a project manager

kind of thing. So it's actually that would be like a group rate for I would say, four to five people, maybe one or two engineers and then a technical project. Manager and a comms person. Or just a technical project manager and a couple of engineers.

Livia 46:46

Awesome. Yeah, that's great to have those numbers. And moving to future What do you wish for the future of the field and how do you see it in the next three years?

Participant 27 46:58

Future of the field

I suppose the education of course, for me feels like a cornerstone. I think that is going well though. It's still incredibly under resourced. For what we need. I'd say I hope to see more organization of the open source development of the tools, models, documentation. Use cases, and kind of library of, of Yeah, use cases, examples, a library of models, all the things that we originally set out to do with the token engineering Commons. That I remember writing in an article of like, here's what we want to produce that still needs to be produced. I don't think that we achieve that to the level that we're going to need. Like I said, I kind of like I'd like to see these, these sub DAO's and or guilds coming to, to like small groups of five to 10 people working to research develop and do education around crypto economic primitives, and then maybe a group that is looking at assemblages of primitives, and how those can be composed in different contexts, and having the knowledge and value flow and circulation between the crypto economic primitive guilds, the like, context, assemblage guilds and the\$ name\$ or educational groups and \$name\$ whatever. What else do we need? Um, we probably could do a little better as an ecosystem with fundraising together or like a kind of makes me think of, like, indigenous cultures of like, going after the whale, like many people hunting many people going and getting funding and then having these like proposal like flow networks that are flowing value to these different groups that are specializing and focusing in areas I think it's very difficult as a DAO to like, do a thing because there's too many people. I think it's actually better to have like, many of these small guilds that are like iterating more rapidly and or focused. I think it's really about focus, having more focused working groups that are well funded, and that circulate value to the originator originating groups of the ideas, who are circulating value, you know, throughout the whole network. So I think, yeah, hoping to produce this post that's starting to map what that could look like so that then we can start to look at the value flows and that also requires maybe groups being more explicit. What do I hope to see this stuff applied on the ground? I think it's still also very cerebral. How do we how do we apply this technology for in the real world? Context, or I'd like to see a specific branch of token engineering that's interested in models, impact models for

environmental regeneration or local currency, things that will be really cool for me. And I might like to start that.

Livia 50:55

Oh, yeah, we're approaching our last couple of questions. So as AI technology continues to advance, and has the potential to impact the development and implementation of token engineering, in your opinion, how do you see AI affecting the field and what would be your role and if any?

Participant 27 51:15

The best thing I've watched on AI was center for humane technology. It's called the \$AI dilemma\$. Put it in a crazy context, how it's gonna affect token engineering. I mean, I suppose there's so many different applications and how we can use it to help maybe speed up the creation of documentation and or like knowledge sharing and education. Kind of content. I think we can apply it. I know many people are already applying it to like review code and even in coding. We can use it to maybe think.

Yeah, I guess those are the two things that come to mind. I mean, of course, can we come to some sort of thing where an AI could generate questions for our community that's looking to design a token and it would walk them through a whole entire process that feels very far away. I also think there's the concern I have with doing AI and token engineering too soon, is that we don't have our core base and foundation of a library of models, or we don't yet have the foundation of like, human generated understanding before we start accelerating, you know, and people thinking like, oh, yeah, I'm a token engineer and not just I use this AI and it could be totally wrong. It could have mistakes. So I think definitely having humans in the loop and I'm sure that would be an intention of many to, to slowly build towards into the integration of AI. And also the kind of like, policy considerations around how are we using this data? Who owns this data? What are the rights and responsibilities? How is the model been trained? Are there ethical considerations? So I feel like there's a lot of potential but that we take our time, and seek a lot of counsel from different groups and groups who are doing research around integrating this emerging technology to do our best to make sure we're we're able to responsibly release that or make that tool available.

Livia 54:04

Yeah, yeah. Thank you. And lastly, it's whose work do you admire and the token engineering space?

Participant 27 54:12

Yours? maybe it's cheesy, but I kind of admire everyone who's working in this space. I think it's really interesting how the different work is expressing whose work do I appreciate?

Yeah, I suppose some favorites. I really appreciate your work with culture and this thoughtful work right now and serving. Of course grip who's always at the forefront. \$ name\$ \$name\$ \$name, I really appreciate \$name\$ work because she's brought in this whole her with also name and some others \$name\$ all the \$name\$ people of course, I admire them and learn loads from them.

\$name\$ for sure, he's at block science but I also \$name\$ for sure. I feel like he still is somewhat under recognized definitely under resourced for the kind of level work that he is trying to do. \$Rex\$ also, I think is a very quiet person who has done some amazing work for the community. I'd like to highlight the people who are less visible

trying to think \$Angela\$ God ofcourse Yeah, I feel like I'm gonna miss people so as to just stop naming people but

definitely the people working with \$name\$ \$name\$ \$name\$, \$name\$ \$name\$ I would like to recognize because he's kind of young up and coming. And he's been involved in the community. He ran a whole \$CAD CAD \$ study group. He's been doing a lot kind of in the background, and he's in school for computer science. He's getting his master's, and we're kind of hoping he wants to kind of upskill and explore potentially getting into the token design and modeling. So yeah, we have some younglings, some young ones coming. Yep, that's what I was up the top of my head. I would like to recognize more people who are less visible, but I can't think of any more. Well,

Livia 56:56

that's awesome. It's been so lovely to hear from you and hear all your insights and your depth of what you're observing from the field. Thank you so much. Thank you. That was all our questions.

Participant 27 57:16

Thank you Livia. I feel really grateful that you included me and chase me down even. I'm sorry it took so long to come back.

Livia 57:24

Now I'm glad you made it in the last week.