The Race for Digital Superintelligence
0:00
we are going to become limited by power in our quest for digital super
0:07
intelligence this is a structural issue we have in the US this is America's Achilles heel china is going all in on
0:13
energy production and it's epic meta is you know worth $1.8 trillion
0:20
today they got $70 billion in cash these offers of $100 million or their
0:26
acquisition offers on companies it really is a winner take all mindset in
0:31
this the natural dynamic is winner takes all because the AI becomes self-improving very very soon the
0:37
biggest threat to Meta is that they fall way behind on on AI we're in the middle
0:43
of probably the greatest drama in human history here which is why everyone should be tracking these moves closely these numbers are so unprecedented but
0:50
they're completely justifiable given the impact now that's a moonshot ladies and
0:56
gentlemen welcome to an episode of WTF on
1:03
moonshots i'm here with my moonshot mates Salem Ismael uh Sem I'm calling
1:08
you the emperor of exponentials cuz that's just who you are and Dave London
1:13
the the alchemist of AI how's that for a title we need one for We need one for
1:19
you Peter all right Peter you have to be something epic how about the humongous bungalongus of abundance uh not sure I
1:27
like that i like what Dean came and said on stage he called me the hope the pope was hope that's awesome yeah my mom
1:34
liked that she's watching all of my abundance you know abundance videos and the whole show on stage and she writes
1:40
back she goes "Pope of hope." I love that thank Dean for me all right we have
1:46
a lot to cover today and as always uh our goal here is to deliver you the real
1:52
news you know the news that's going to impact you the the news that's changing every industry every family every
1:58
country right here right now so rather than watching the 6:00 news join us on
2:03
this epic mission deliver you know a compelling you know hopeful and abundant

2:08
future all right buddy buddies let's jump in so let's talk about all things
2:14
AI another epic week uh every week is just accelerating it feels that way uh
2:20
let's kick it off with uh this conversation uh this is from Elon and I'll just read his tweet uh he says
2:27
basically we will use Gro 3.5 maybe we should be calling it Grock 4 which has
2:33
advanced reasoning to rewrite the entire corpus of human knowledge adding missing information and deleting errors and then
2:41
retraining on that new corpus so uh first of all we've got this like name
2:46
escalation right so we're going to you know GPT5 and then Gemini 2.5 through
2:52
soon Gemini 3 i think Elon feels behind on Grock 3.5
2:58
numerical warfare yeah dave what do you think about this idea of retraining Grock 3.5 on a new corpus corrected by
3:05
AI and getting rid of human errors yeah that that specific idea is actually lowhanging fruit and and a real big win
3:12
but it's it's one of many big wins i mean the rate of change of what we've seen in the models in the last two weeks since last time we talked is just
3:19
mindboggling and you know an experience everyone needs to have is if you if you pick up either a Gemini 2.5 Pro or uh
3:28
GPT4 voice mode and just talk to it as you're driving in a car for like an hour
3:34
or two hours that's something you couldn't do a month ago and now you can do it and it's engaging and if you if
3:41
you draw a line between a month ago and today and you look a month into the future it's going to replace a lot of
3:47
what you do in terms of media it's just so incredibly engaging all of a sudden so I think what what Elon's talking
3:54
about here is look the training data you know believe it or not the actual original training data for these models had a Reddit subreddit in it that's
4:01
called microwave and the microwave subrevit has a series of M's just goes
4:06
for thousands and thousands of lines and then at the end it goes beep
4:12

so that gets scraped and gets thrown into the training data a lot of crap like okay there's a lot of crap and I
4:17
think you know Elon might actually be referring to a lot of his own tweets with with Donald Trump here like okay
4:23
well if we get rid of that crap then the neural net has a much easier time learning what really matters so uh this
4:29
is this is part of a long list of low-hanging fruit uh that's right in front of these training algorithms so
4:35
you're going to see really rapid improvement just from the obvious including including this see what could possibly go wrong if AI rewrites the
4:43
corpus of human knowledge you know I've been watching a few videos of uh Yuval Harrari talk about oh my god AI can now
4:51
program itself and program things and he's going to go nuts on this type of concept where if you can edit history
4:58
right where do you end up where do you draw the line how who decides what's accurate or not in the beginning there
5:03
was AI exactly exactly god said "Let there be AI?" And then everything followed from
5:10
there right um this this really has will pose some huge philosophical challenges
5:15
now on the plus side there's there are so many gaps there's so many flawed narratives where history is written by
5:22
the winners of all the epic battles and wars in the in the past and therefore we can balance out that viewpoint a little
5:28
bit and get a little bit more reality into it that'd be great but there's a very dangerous line here and and I think
5:35
it's the right thing to do it's going to cause a lot of constation yeah so we're expecting Grock 3.5 any day now uh you
5:42
know it was promised in May then delayed into early June what is today we're recording this on June 26th so uh he
5:49
said by the end of June he's got 4 days left but even if it's July it's going to be epic can't wait to try and play with
5:55
it all right um I'm going to play this video also from Elon and uh the subtext
6:02
here is "Super intelligence may happen this year or by the end of next year."
6:07

All right let's listen i think we're quite close to digital super intelligence
6:13
it may happen this year if it doesn't happen this year next year for sure the
6:18
digital super intelligence defined as smarter than any human at anything
6:26
so here we've got the issue of def definition right what is AGI what is
6:33
digital super intelligence dave you and I recorded an episode we'll be sharing shortly with Eric Schmidt uh going deep
6:40
into digital super intelligence his prediction is uh a little bit more you
6:46
know I would say epessimistic but you know it's the next 5 years on his time frame but what is it you know do you
6:54
still have the confusion that I do when people are popping back and forth between AGI and ASI yeah that because no
7:01
one's really locked down a clear definition but I think Elon gave a very very clear definition in that
7:06
presentation just for that reason AI that can do anything better any intellectual task better than any human
7:12
that's the hardcore definition and he's saying by the end of next year which is you know the soonest date that people
7:18
are saying but he's very close to the uh to the progress so you know he has every reason to be right yeah no I would not
7:25
doubt his timeline i actually went on to chat GPT and Grock and asked them both
7:30
for a definition of AGI versus ASI can I share that with you guys mhm so so chat
7:36
GPT says AGI is a machine capable of understanding learning and performing
7:42
any intellectual task that a human can do across domains with reasoning adaptability and autonomy and then it
7:49
says ASI this is chat PT is an intelligence far surpassing the best human in every field creating uh with
7:57
creativity problem solving decision-m gro says AGI is an AI capable of
8:03
performing any intellectual task that a human can do with general problem solving and ASI is AI surpassing human
8:11
intelligence in all intellectual tasks even these definitions sort of blur the
8:17
line you know but I go I I go on my classic hobby horse here because we have no idea

8:23
what we're talking about when we talk about intelligence um and so I don't need to get into that trope again but
8:29
but let me suggest this right the minute you can prescriptively if you want to define a something like this you have to
8:35
define what you mean by it and the minute you can prescriptively describe a task an AI or robot's going to be much
8:41
better than you anyway so the work that comes then comes down to what what's the task prescriptively saying that and it
8:48
be smarter than any human being that's a different kind of a model here's where I'd like to see it do you know you have
8:53
Kepler uh couple hundred years ago one day making an intuitive leap that maybe
8:59
the moon is affecting the tides and makes a massive intuitive leap that then can be backed up with scientific and
9:05
experimental evidence that's the kind of thing that if if AIs can do then so you start tickling at the edges of what we
9:11
mean by intelligence because we have emotional intelligence we have spiritual intelligence etc there's the end of my
9:18
rant well and I think that's going to happen i mean one of the predictions is we're going to start to see math physics
9:24
chemistry biology getting solved by uh these advanced AI models in the next two
9:30
to five years i mean this is what our friend Alex Weezner Gross keeps on hitting on we're going to solve math in
9:36
the next 12 months yeah i think it's important to stay out of the philosophical debate if you want to
9:42
succeed with AI and focus on the capabilities within swim lanes and because the reason Elon Musk is saying
9:49
look guys I'm talking about AI that can do literally any human intellectual task
9:54
better than any human he's just trying to create awareness and motion because people are underreacting so badly in so
10:00
many areas but I think as Alex Wisner Gross is saying it gets miles ahead in
10:06
areas like math and and codewriting where it's not data constrained and it
10:12

lags behind in areas like biology where it needs the full cell simulator to make forward progress and so the rate of
10:18
progress is going to be hugely different in these different swim lanes the exact date when it can do any intellectual
10:24
task versus any other human is going to be like a blur that comes and goes and you know whether somebody was right down
10:30
to the minute or not nobody will care a year later but we'll care a lot about the the impact on society and all these
10:36
different use cases so I think going down that path of saying here's a vector or swim lane that's a really good way of
10:42
framing it uh but when you throw out general words like AGI or ASI or whatever that's when I go a little bit
10:48
nuts but the swim lane thing I can totally vibe with that every week I study the 10 major tech meta trends that
10:55
will transform industries over the decade ahead i cover trends ranging from humanoid robots AGI quantum computing
The $32 Billion AI Startup: Insights and Implications
11:02
transport energy longevity and more no fluff only the important stuff that
11:07
matters that impacts our lives and our careers if you want me to share these with you I write a newsletter twice a
11:14
week sending it out as a short 2-minute read via email and if you want to discover the most important metat trends
11:20
10 years before anyone else these reports are for you readers include founders and CEOs from the world's most
11:26
disruptive companies and entrepreneurs building the world's most disruptive companies it's not for you if you don't
11:34
want to be informed of what's coming why it matters and how you can benefit from it to subscribe for free go to
11:40
dmadness.com/metrends that's dmadis.com/tatrens
11:45
to gain access to trends 10 plus years before anyone else all right um I love
11:52
this video i asked the team to cut it this is from Jeff Cloon who's a deep mind adviser uh the title here is
12:01
the first AI may be I mean the first ASI may be the last ASI so take a listen to

12:08
this it is a world in which the first AI is the last AI and the creation of the first ASI suppresses the creation of ASI
12:15
worldwide then that organization whoever they are has a decision to make and that decision is we just invented effectively
12:23
if that thing is aligned to them and will obey their commands we just in effectively invented a god do we want to
12:28
sit around and let those people over there also invent a god that nobody talks about as much as they probably
12:35
should is how quickly things might get nationalized if you are the the premier or prime minister or head of state of a
12:43
country and somebody a company within your borders creates a super weapon a superpower effectively a god do you
12:49
nationalize that do you start giving them orders do you make them run everything by you are you going to let them just like run as a normal company
12:54
like I that seems very unlikely to me so just wow right i mean I can very much
13:00
imagine that in fact I just read a book with my son Jeff um called After On actually second time I've read it and it
13:07
tells a Silicon Valley story of the first ASI coming online and it is
13:12
basically taken over by the government and it is basically the last ASI cuz it suppresses other AIs around the world
13:19
it's a great story dave what do you think about that yeah well hey Same we
13:25
have our side bet and this really weighs in my favor look the the natural dynamic here is winner take all and you're going
13:30
to see later in this podcast the amount of competitive pressure on these you know foundation model companies to get
13:35
the best talent the amount they're willing to pay is mind-blowing well why is that well because the natural dynamic
13:40
is winner takes all because the AI becomes self-improving very very soon so

Talent Wars in AI: Recruitment and Retention Strategies

13:46
uh the the observation in that video is right on target and the only force
13:51

that's going to you know in our first slide here we're saying look if if the data that goes into these is one view
13:58
one point of view and it's selfixing but it will filters out other points of view
14:03
that could be terrible and so the only way you're going to have a variety of these and you know America thrives on a
14:10
variety of competitors in any given market a variety of viewpoints that that has to come through some kind of regulatory framework it's not going to
14:17
happen with the natural winner take all dynamic so this is a this is a great wakeup call video and I completely agree
14:23
salem winner take all um I think the I'm not sure about the winner take all i'll
14:28
go with I'll stay with my bet on that one so Dave and I will continue i It'd be great to have a poly market on this
14:34
by the way let's do it but but the the idea that when something like this emerges that it might get nationalized
14:40
is 100% true there's no way that's not going to happen while these and I think
14:46
this is what the governments are doing right now they're just watching their various uh folks work on stuff and
14:51
they're going to jump uh down their throats the minute something like nationalization may take a different
14:56
flavor it may be the government buying a significant share um we're going to we're going to talk about what the
15:03
government's doing in AI in I don't think it's going to be like that i think it'll be just like I'm sorry we own that
15:08
it's a military potential boom and and you're you're you're you've lost uh kind
15:13
of Yeah well I think that's going to happen and I wouldn't from what I've seen with
15:19
governments there's no way they're not going to do that they almost have to do it in order to uh prevent other people
15:25
from getting there or if they think they're getting there first the bigger picture might be where what if you have
15:30
a particular world view uh can you what do you do with that when you have ASI
15:36

because I have a view I have a feeling that ASI is going to strip past the limitations of a particular world view
15:42
very quickly and so then what do you do right yeah all right well let's let's I
15:48
have the next the next let me let me just build on that for a second here's what I think will happen u some ASI call
15:55
whatever we want to call that will emerge a national government um uh call it Kazakhstan will kind of go we need to
16:01
own that okay this is our world view asi please operate on this worldview and then let's get everybody else to align
16:07
with this world view um uh and the AI in about three seconds is going to go their worldview is so limited right that this
16:15
doesn't help at all and it skips right past all of that i don't think once I think once you have ASI it's outside the
Government's Role in AI Development
16:21
potential for control for anybody for sure and it maybe this is like the
16:28
modality of religions taking over and setting a world view around the world
16:35
yes you have to relate to it in that way except that religions are you know they're based on absolute unverifiable
16:41
truths or assumptive truths uh like Mary was a virgin or Muhammad was the last prophet or Jesus or the son of God or
16:48
whatever and an AI any kind of AI half its worth would skip past that assumptive truth in instantly and go
16:54
there's no evidentary basis for that i don't think I don't think there's much of any chance that the US is going to
17:01
nationalize a single AI company and say this is our national AI i think that if you look at the way the defense
17:06
department works you know some things like uranium and plutonium refinement are nationalized but you know all the
17:11
missiles inertial guidance defense systems those are all private sector companies that that work for the
17:17
government that's that's going to be the likely outcome in AI as well in the US maybe not in China maybe not in the
17:23

Middle East but certainly in the US well we're going to find out in the next few years i think that's the the key point
17:28
here by the end of next year clearly by the way Jeff looks more like an AI in that than anything any video I've seen
17:34
in a long time all right this next story is one I want to dive into uh it the
17:40
title here is Metatry uh to buy Ilia Sutzkar's $ 32 billion AI startup and
17:46
now planning to hire its CEO we'll get into this in a moment but I just want to I want to pass a theory by you so how
17:54
does Ilia get a $32 billion valuation right so he's basically goes out he
18:02
pitches Andre Harowitz his investors are Andre Haritz Sequoia DST global which is
18:08
Yuri Milner Alphabet Nvidia Lightseed Ventures i mean like the AAA list of
18:14
investors and he raises uh what was it $6 billion of capital on a $32 billion
18:20
valuation how do you do that without any product uh or any tech to show and I
18:27
have a theory here's my theory you ready okay yeah yeah we just saw the presentation on the first ASI his last
18:34
ASI he goes in and he says to these venture funds "Listen I know how to
18:40
build an ASI that will blow away the other other AI companies it will be a
18:47
safe ASI cuz here's my strategy and because it's the first it will be the
18:52
last." you believe him and as a venture fund
18:58
you have no other choice than to invest in that company at whatever valuation he
19:05
offers you to he offers it to you how do you think about that uh I think that's
19:10
exactly right and I think there's another another point which is that clearly the true great neural architect
19:18
people the Ilias the Miro Maradis are not intimidated by the progress that's
19:23
been made at OpenAI Grock and Google mhm and that's an amazing fact by itself and
19:30
when you look under the covers the research teams working on this are 10 15 people they're not 10,000 people uh and
19:36
the innovations are still piling up you know where there are still 10x improvements out there and so
19:43

undoubtedly Ilia having been an architect right in the middle of this is saying "Look I know how to 10x this." Uh
19:49
and and I'm not afraid of the big guys and and actually the actions at OpenAI are are kind of reinforcing that openai
19:57
is racing to control the consumer experience with you know buying wind surf you know for coding and having the
20:03
the voice mode and trying to get everyone they're trying to be like Google and have a huge user base
20:08
installed and they're succeeding by the way and succeeding wildly yeah um because you know just competing as a
20:14
foundation model is not is not necessarily defensible and so it's not just Ilia it's mirror and then also some
20:20
other things bubbling up out of MIT that are getting huge valuations because they're very likely to work and and so I
20:26
think that's the other kind of underpinninging here we're in the middle of probably the greatest drama in human
20:31
history here which is why everyone should be tracking these moves closely these numbers are so unprecedented so
20:36
much bigger than anything in history but they're completely justifiable given the impact and so more people should be
20:42
getting involved and reacting and and contributing and you know not being intimidated because mirror is not
20:48
attribut intimidated Ilia's not intimidated and the investors coming in uh to invest in Ilia are not intimidated
20:54
billion dollars a day sim do you remember the meme that came out when Ilia left open AI or you know staged the
21:01
revolt it was like the meme was what did I see do you remember that and now I
21:06
want to know is what did I pitch is the new meme
21:12
What do you think about this $32 billion valuation did you know does he have an ASI in the bag and he's racing out in
21:19
front i think this conversation kind of nails it right if you're in front of investors they don't know they're kind
21:25

of trusting you to know and the fact that they kind of have a confidence confidence-based approach to saying we
21:32
can beat the other models is huge and I think Dave's assessment is right open is
21:37
now focused on how do you get to the British biggest uh consumer share in this and they will go after those other
21:44
white spaces that are there and there's a lot of whites space so uh applying this in all sorts of areas becomes
21:50
hugely but my big question for this is how do you do this safely is my question and I'd love to understand what did he
21:56
say to investors that gave them the sense that this could be done safely because that's the foundation of his
22:01
approach right we're going to make AGI that's safe name
22:07
I'm I'm curious how he's going about that yeah all right the other side of the story here is that Meta is trying to
22:15
buy talent left right and center um let's take a listen to this video all right open AAI CEO Sam Alman has some
22:22
strong words from Mark Zuckerberg on a new podcast criticizing Meta's recruitment methods and even its level
22:28
of innovation dear Droposa with more it's cutthroat out there brian you're right yes i mean critical words may be
22:35
an understatement so Sam Alman on his brother's podcast he says that Zuckerberg is offering $100 million
22:41
signon bonuses to poach top OpenAI talent keep in mind those kind of bonuses they don't have cliffs they
22:47
don't vest over a number of years $und00 million just to get on board nothing stopping talent from leaving in what is
22:54
already a revolving door of talent in AI uh See did you get an offer of hundred
23:00
million from uh from Zach yet no but can I please be an intern at one of those companies and maybe I'll get a a 20
23:06
million signing bonus it's insane right so So here are the numbers just to put
23:11
this in context meta is you know worth $1.8 trillion today they got $70 billion
23:17

in cash so if you think of it that way uh these offers of $und00 million or
23:24
their acquisition offers on companies cuz Meta tried to buy uh SSI first uh it
23:31
makes sense i mean the biggest threat to Meta is that they fall way behind on on
23:38
AI dave what's your calculus here yeah there's so much Um well first of all I
23:43
don't believe for a minute that it's $100 million to join no vesting no retail you can't just join and quit the
23:48
next day there's no way that's true i don't know where that fact came from but um but look these numbers again you see
23:54
professional athletes getting numbers like this but other than that it's unprecedented in human history but it's
24:00
hugely justified uh if you get one of the one of the key research talents at
24:05
this inflection moment in the competition toward ASI so it does make a
24:11
lot of sense uh I don't know you know if the the choices of who to go after are necessarily right you know we heard on
24:17
our tour through San Francisco two weeks ago Peter that the Llama 4 really does suck
24:23
and it's kind of embarrassing and I know I know Mark tried to save it with a with a podcast world tour there but but look
24:29
if it sucks it sucks doesn't mean that they can't catch up in a heartbeat though because you know a couple tweaks in the algorithm and suddenly you're
24:34
back on top and so you get the right people who know exactly how to try the next experiment the next week and it's
24:41
it's worth a lot more than 100 million it's worth many billions if not a trillion and so uh I I think that's the
Future Predictions: AI and Natural Disasters
24:47
bet that they're making and this isn't the only one there's a lot more of these going on yeah so there's a $70 billion
24:52
war chest uh and it's it really is a winner take all uh mindset in this
24:59
they're willing to do whatever it takes to move forward here's a Yeah can I game this out a little bit yeah so if I we go
25:06
back to the previous conversation I think what Ilia has figured out is how do you use AI to tweak itself uh and

25:14
that then gives you a a very very fast iteration path to what you're trying to
25:19
do and if the investors believe something like that then they go "Wow if he's figured that out then nothing will
25:24
stop that from being the winner." I think you're right about that um now regarding this particular thing uh you
25:31
know we when when um WhatsApp was bought for what $18 billion everybody laughed
25:36
at Zuckerberg right and thought this is nuts this is unprecedented etc etc but
25:42
it was actually a a hugely important and relevant bet so uh given the past
25:48
success in throwing money at this and going after it you can see that he can see the market is that big and the this
25:55
is pennies in the bucket pennies in the dollar in terms of the potential outcome yeah I would never bet against Mark for
26:01
exactly the reason you just said he can act unilaterally and quickly and he's aggressive and he's super super smart
26:07
and so what is interesting though is the other thing we learned on our tour through San Francisco two weeks ago is
26:12
there is a mass exodus of AI talent out of uh Meta so then Sam saying "Hey they're trying to buy everybody back for
26:18
100 million bucks." Like well dude you just took everybody so you know it's fair game uh but the question I have is
26:24
why why were they leaving in the first place and and why did Llama 4 not come out the way they wanted it and so we'll
26:29
dig in on that i'll try and try and get to the bottom of exactly what's going on there uh but the tide is certainly
26:35
throwing money at it is one way to turn the tide and it'll So you know the story here again is Meta tried to buy SSI uh
26:42
they were rebuffed uh and now they're trying to hire uh Daniel Gross who's the
26:48
CEO of SSI and Nat Freiedman uh who's been on uh our you know stage at
26:55
Abundance 360 uh again he's out shopping and he just made an acquisition he hit
27:01
the Neiman Marcus store for AI and uh he basically bought uh our friends at Scale

27:07
AI alexander Wang also was on stage with me a couple years ago at at A360 uh 14.8
27:14
billion you know for 49% of non- voting stake in scale AI uh Dave you know the IPO
27:23
markets are just beginning to open in the tech and AI space the acquisition
27:29
markets are getting hot uh you know you're deploying link XPV's venture fund
27:35
and companies out of MIT and Harvard how are you seeing sort of the acceleration because it's been it's been relatively a
27:42
closed uh IPO and acquisition market over the last you know 5 years does it
27:48
feel like it's opening up now uh I I say as of the last month it's wide open i
27:54
mean these deals are are unprecedented huge deals the core IPO is way up circle is way up because it's the you know the
28:01
the way that agents can transact with each other um so yeah the Yahoo moment
28:06
clearly happened uh the door is wide open uh and um you know the the deals
28:12
are still concentrated among you know the top the Magnificent 7 but you know
28:17
Jamie Diamond sees that Bank of America everybody else sees that so their their banking teams are spooling up everyone's
28:23
getting ready it's it's going to be just like 199798 all over again that would be great much bigger so also you know a
28:30
couple I don't know if people care but the structure of the deal is really important and I know a lot about the topic if you
28:37
can cut it out of the podcast if people don't care but this is the deal structure of the future the 49%
28:42
acquisition uh dodges Hartscot Redino so the the deal is closed the day you sign it you don't have to go through the
28:48
six-month torture waiting cycle of DOJ review um and it does skirt you know the
28:54
edge of the rules uh but the rules are bright line so uh and the there are two
28:59
parts to it 49% is not a controlling stake so you don't have to report uh the other part is it's a non- voting stake
29:06
there's another threshold of 19.9% or 20% ownership that's right where you have to consolidate financials but
29:12

because it's a non- voting stake you dodge that rule as well so you're like well okay but do I really own the
29:17
company well then you look at the contractual structure which isn't disclosed you know there's no public disclosure of the underlying agreement
29:24
and that agreement probably says we own all the intellectual property and uh you know if you don't work your ass off you
29:29
have to come clean windows at Mark's house and you know a whole bunch of things like that that really effectively
29:35
make you own the company and I also know that the uh the investors in in scale are distributing the capital so it's not
29:41
it's not disappearing into the corporation it's going to the shareholders and getting distributed to the investors in the company so it's
29:47
truly an acquisition there's a coming wave of technological convergence as AI
29:53
robots and other exponential tech transform every company and industry and in its wake no job or career will be
30:00
left untouched the people who going to win in the coming era won't be the strongest it won't even be the smartest
30:05
it'll be the people who are fastest to spot trends and to adapt a few weeks ago I took everything I teach to executive
30:12
teams about navigating disruption spotting exponential trends a decade out
30:17
and put them into a course designed for one purpose to future proof your life your career and your company against
30:24
this coming surge of AI humanoids and exponential tech i'm giving the first lesson out for free you can access this
30:31
first lesson and more at dmandis.com/futureproof that's dmandis.com/futureproof
30:38
the link is below so Salem I'm curious you know uh you and I both have spent
30:44
time with Yan Lun who's previously was heading AI at Meta and now Alexander
30:51
Wang comes in alexander uh I guess Dave he was a freshman at MIT dropped out
30:57
after his freshman year to start Scale AI becomes a Was he the youngest billionaire out of MIT oh yeah yeah yeah
31:04
by far and uh and now he he's going to I wonder if Jan is going to stay on at

31:10
Meta so any thoughts there Sel i think well clearly there's a changing
31:16
of the guard there uh and the whatever they feel they're deficient in they're
31:22
trying to leaprog and they're doing it very very aggressively something that I love about scale AI it's it's really
31:28
attacking the heart of the problem which is uh tagging of data and if you have that you can solve the garbage in
31:35
garbage our problem in a really powerful way and then it means you can use much better models to the models you use
31:41
become much you can use lesser models because you have much better data yeah I think Yan Lakun just to bring it back to
31:48
that uh and he's a super brilliant sweetheart guy at the center of this all
31:53
but he's had a much more uh conservative point of view on AGI and ASI it's the
32:01
same with Jeff Hinton um Jan is is kind of in that camp of being everybody needs
32:06
to slow down and be really really careful of what they're trying what we're about to unlock here yeah I think
32:11
Mark right yeah Mark is an engineer at heart all these guys are engineers at heart they're not trying to buy an AI
32:18
philosopher they're not trying to buy you know a lot of the people that are the senior AI leaders from the big labs
32:24
are saying look there's something fundamentally missing from these transformers they're not actually reasoning they're just brute forcing
32:30
their way to intelligence they don't want to buy that what they want to buy is I know how to make this algorithm
32:36
work on a million concurrent GPUs i know how to change the algorithm so that it stays synchronous across all this
32:43
massive amount of compute i know how to actually uh deploy the the transfer al
32:48
you know algorithms that the swiggloo isn't working we need to go back to ReLU like stuff like that that's in the minds
32:53
of these mid20year-old geniuses uh that's what they want to buy and so so what's interesting to me is normally the
33:00

older you know kind of highly successful you know Eric Schmidt have all the money
33:05
and the young people have all the brain power but here the young people have the brain power and now they suddenly have a
33:11
lot of money too so that's a new thing in the world as well so it'll be Well speaking about brain power and money um
33:17
Masasan uh one of the old guard investors has pitched a trillion dollars
33:24
he wants to re to replicate Shenzen scale uh within the US uh let's take a
33:30
listen to this video talking about1 trillion dollars worth of investment out of Soft Bank put that
33:36
into context for us trillion dollars and he wants to recreate a kind of Shenzhen in the US potentially alongside TSMC of
33:44
course the foundry and of course Samsung as well you would imagine that OpenAI
33:49
would have a piece to play as would ARM as well uh that is moving closer into data centers in terms of their CPUs
33:55
aligning with AI accelerators so it hits that and it ticks that box in terms of Trump's ambitions um but we do need to
34:01
find out where the capital is coming from where the spending is coming from and whether indeed they can get the talent and the engineers uh not just to
34:07
build all these projects but actually to operate them as well which has been a constraint and a bottleneck in the US so
34:13
have either of you guys been to Shenzen i've been there a few times oh really selena years ago yeah i mean uh it's
34:20
changed in the last 5 years i mean I was there between you know 2014 and and 2019
34:28
and it was an incredible hotbed i mean it was an engine of innovation the old
34:33
mind the mindset there was 9 was 996 was a was the best lifestyle you could have
34:40
9:00 a.m to 9:00 p.m 6 days a week uh and you know people talk about trying to
34:45
replicating stuff there was a lot of entrepreneurs creating varying new ideas out of there but it was it was basically
34:52
a convergent mecca for technology and the idea that Masasan wants to rebuild
34:58
that here in the US i find that fascinating thoughts yeah I think part of that
35:03

vision doesn't align you know when we were at OpenAI uh one of the questions I
35:09
was asking D scully is you know the talent pool the computer science talent pool in Boston is about 20 times bigger than in Silicon Valley and it's also not
35:15
nearly as picked over why doesn't open AI open a an office in Kendall Square just like Google did and Microsoft did
35:21
and the answer is yeah we would do that except the timeline to AGI is so short
35:26
that we're going to have a multi-billion dollar or multi-billion person AI workforce before we could even finish
35:32
the building and populate it you're like "Okay that's that's a pretty interesting insight." Wow blows my mind yeah so then
35:38
you're like "Okay well Shenzen that's a huge number of people buildings uh you know but is that timeline going to line
35:44
up with the the the Elon Musk video that we saw a minute ago?" So you know I
35:50
think the constraints here are electrical power and chips and not so
35:56
much building a huge city that's all working on on the 60s buddy digitize
36:01
dematerialize democratize demonetize you know and and disrupt
36:09
um and here's uh this is a chart near and dear to your
36:16
heart Dave cursor the fastest SAS growth in history $500 million of ARR in under
36:23
three years blowing away anthropic uh and Uber and Open AI talk to me about
36:29
this well this is so inspiring for the teams in the office at Link Studio so you know
36:35
Link Studio now we have 26 teams uh MIT Harvard Northeastern um and this team
36:42
these are these are startup companies that are being incubated at links yeah I mean they're exactly and they're they're
36:48
culturally just like cursor you know like three four five best friends from school uh brilliant but never operated a
36:55
company before building something with AGI or AI that's that's groundbreaking and so they see a company like this
37:03
thriving and hitting a huge valuation but also you know back when this happened in the internet era you got
37:09

huge valuations but the companies were very fragile because they didn't have a huge amount of revenue these companies
37:15
500 million of revenue the margins on that must be astronomical and so they're
37:20
raising a lot of money at a big valuation you know greater than 10 billionish um but they can actually
37:27
operate profitably you know on one day's notice if they want to because they're not headcount intensive so these are
37:32
like the best companies financially that we've ever seen in history and then the timelines are just just laughable like
37:38
two years to get to 500 million of revenue how many cursors are out there in the next couple years uh dozens
37:44
dozens uh it's actually constrained by the number of teams not by the number of opportunities so it's fascinating right
37:49
we got constraints on electricity on chips and on the smartest entrepreneurs
37:54
who take this forward for at least for the moment it's it's humans that are are constraining well I mean the difference
38:01
in the vibe around Boston versus anytime I've ever seen is just so blatantly
38:07
obvious and palpable you just need to walk around but everywhere you go uh everyone's like you know just talking
38:13
about scale AI talking about cursor these are these are you know their fellow alumni that they actually knew uh
38:18
and so you know the jealousy factor is a great motivator it's it's really an amazing time see and these are all
38:24
exponential organizations all EXOs they they have an MTP they're
38:30
using community effectively they're building developer communities uh the
38:35
the engagement levels are really great they've gified in many cases what
38:41
they're trying to do it's it's phenomenal to watch uh we predicted this in the book right we said we're going to
38:46
have just an a continuing increase in the velocity and scale and speed i mean
38:52
this is surprising even to us at some level because the speed of I mean 500 million ARR in in this time scale is
38:59

just unbelievable i do agree with Dave there's a lot more coming down the pike on this and the these curves are just
39:05
going to get more and more vertical um the the teams is a really intriguing
39:10
problem how do you find the right teams and I'm wondering if you could use an AI solution to find teams that can then be
39:17
put together and thrown together for this that would be a really interesting problem dave can you do that i mean you know one of your billion dollar one of
39:23
our billion dollar investments is Merkore uh that is all about you know
39:28
finding and hiring but is that for the general employee ver I mean what are the
39:34
attributes of the founding team that you're looking for yeah uh great
39:41
question and you know we study that all the time uh we we quote the Fred Wilson rule a lot we call it the Fred Wilson
39:47
rule fred didn't call it he's the Union Square Ventures founder MIT alum most successful venture capitalist of all
39:53
time numerically keeps a low profile so we don't talk about him every day but Fred Wilson is really a god of the
39:58
industry but what what he says you know as he gets older is I I always invest in teams of three or more best friends who
40:06
write the code themselves meaning they're technical they're really technical all three of them or more uh
40:11
and I trust them and if they pass those three filters I invest even if it's the stupidest idea in the world because
40:16
because they'll change the idea much more quickly you can't change friendships you can't change relationships you can't change yourself
40:22
overnight but you can change your idea overnight and once you get them into an ecosystem of other people that have
40:27
great ideas you know take them out to Silicon Valley introduce them to Eric Bolson take them to HAI take them over
40:32
to OpenAI headquarters run them through Google you know we're doing all that with these teams now then they come back
40:38
home and they're they're enlightened and they always have good ideas at the end of that road trip let me hit on one of the points there i mean people say why

40:45
should they be best friends why should they be around you know having had a relationship for a number of years you
40:50
just saw uh these large companies like Meta and Google and Open AAI are just
40:57
raiding companies and stripping out the talent and if you've started a company
41:03
uh with some stranger that you don't know and it's been 6 months and someone gives you a huge signing bonus you're
41:10
going to leave but if you've started a company with your best friends and you've got long history you're not going to abandon them i think that's exactly
41:16
right that that's the number one failure mode actually for for companies is that uh somebody fails because you'll always
41:24
succeed in the end if you stick with it uh and so you're ex the way you characterize this pivot exactly right a
41:30
dozen times and you'll look you know name any one of these companies that didn't pivot at least once you know going back to PayPal and every one of
41:37
them you know pivots at least once and so that's just part of the journey but when you pivot and then someone says "Oh
41:43
I give up i'm leaving." That's what that's what ends up killing the company so also the way I've been phrasing it
41:48
for many many years uh is more true than ever before imagine that you're on an international flight and you're sitting
41:54
right next to somebody in a middle seat the way you feel when you get off that flight that's the way it's going to feel
42:01
when you're doing a startup together so you know if it's you and me and See flying we're going to come off that
42:06
plane energized because we've been talking about everything in the world for hour like you know 8 10 12 hours not
42:12
only that we'll have infected the three rows around us to all get into a conversation
42:18
yeah walk out with more employees than you started with yeah yeah you know Selma when we had Singularity University's uh uh graduate studies
42:25
program the GSP going and we were starting companies that had a 10 to the
42:31

9th plus mission right impact a billion people over a decade uh and we were starting companies it was around the
42:37
same exact time frame uh that Y Combinator was getting going and the failure mode I think was that we thrust
42:44
you know a hundred uh you know alpha males and females into a room independent of each other and said start
42:50
a company and that was very different than why combinator where teams came in with an idea already and that glue
42:58
pre-existing with something that they're all passionate about I think is uh is a
43:04
super differentiator for for investments and if you look at the track record the ones that did succeed were the ones that
43:10
became friends uh and stuck together over time the one thing we did do was created lasting friendships that were
43:16
lifetime long uh and so if you look back a lot of those alumni have gone in and
43:22
started working together for where they found affinity not necessarily on the teams that team formation is a critical
43:29
one and that early chemistry is really important i remember this whole conversation reminds me of Yosi Vardy
43:34
who kind of single-handedly created the Israeli startup scene yeah and he sold ICQ to then became AOL Instant Messenger
43:41
for like half a billion dollars back i remember and and he did something amazing he basically went to founders in
43:47
in Israel and said "If you're a good guy and you have integrity I'm giving you 50K that's the bar." Um and then he just
43:55
trusted them and he would check their integrity and their character very carefully and then he just give them money and he invested in something like
44:01
400 startups uh and the outcome of those has been a little bit like the Fred Wilson type where it's just been off the
44:07
hook so the the team and the individual that you're betting on is everything in in this type of Salem you're so right
44:13
and you reminded me of something that's really really important peter remember when we went over to Israel to Tel Aviv to Startup Nation to try and figure out
44:20

why the startup success rate is five times higher there than anywhere else on the world per capita than anywhere else
44:26
on in the world and there are a lot of reasons but a lot of it comes back to everyone has to do their military time and there's a huge amount of bonding you
44:33
know just marching through the desert together and suffering together and that creates these lifelong friendships then
44:38
you go to college and you appreciate it a lot more and then you start your company while you're in college um and
44:43
so they're a little older but a lot more bonded when they're going through that experience but if I port that back to
44:48
the US you know MIT is absolutely thriving like I've never seen before in terms of startup success but Danielle
44:55
Ruse you know who runs Seesale at MIT biggest AI lab in the world she has two daughters one went to Harvard one went to MIT her Harvard daughter was
45:02
constantly at MIT for the parties and nobody thinks of MIT as a party school right like why would you but actually
45:09
when you're there it has an immense amount of bonding part of it is because
45:14
the way it's set up with the living groups and the fraternities and sororities part of it is because the school is so freaking hard and that's
45:21
like the Marines you cannot get through on your own those problem sets you know all night long with your best buddies
45:27
trying to get through just a plug here for Waterlue which is the MIT of Canada um we had the same thing you couldn't
45:34
get through unless you collaborated really closely with a bunch of other fellow students and that created lifelong friendships really great point
45:40
yeah well if anyone's listening out there in school administration you know Harvard has a little bit less of that bonding culture because school's so
45:46
stupidly easy um you know everyone says it Mark Zuckerberg Alex everybody says it um uh and and it also hard to get
45:53
into harder to fail out of harder to fail out yeah and then Stanford has become even worse stanford is you know
45:59
if you talk to the students there they're like "Where the hell is the the crazy fun bonding culture?" But one of

46:06
our Harvard guys in in the lab uh decided he was going to open a window and and and do a rock climbing drill on
46:13
the second floor down to the first floor on the brick wall and so there were cops all over the building and security guys
46:19
running around and they're like "Dave why are the cops all over the all over the building?" I said "Guys let them let
46:25
them be this is this is what they need they need to bond they need to they need to blow off steam they need to be a
46:30
little crazy this is what's going to create the success in the long run but you know we also can't have the cops here every day but but uh but this is
46:36
this is the culture that is ultimately going to thrive because they it's kind of lacking on the Harvard campus and
46:41
they need to create it." And so they are they are self-creating it all right this next slide from Andre Harowitz uh is
46:48
pretty epic uh it's labeled what's working means in the era of AI apps
46:54
genai startups are shattering growth records dave this must make you feel
46:59
pretty amazing yeah this chart's a little a little hard to read but if you look at the top quartile you know it
47:04
looks like they raised less money but they actually raised it much more quickly so if you look in the bottom right corner pre- series A dollars
47:10
raised 3.1 million that means they were very very capital efficient getting to 8.7 million in in revenue run rate so
47:16
this is what I was saying earlier the fundamentals of these companies are so good compared to the internet era i mean
47:22
very capital efficient great ARR and this is accelerating really quickly now cuz did you see that uh you know one of
47:30
our companies Farsight was talking to JP Morgan as a customer and nothing was happening for months you know just
47:36
unresponsive then Jamie Diamond sent an email to everyone in the entire company every manager saying "If someone is
47:42
trying to sell you AI you better buy it or at least listen right now because this is and all of a sudden they called

47:49
back they JP Morgan actually reached out to Farsight and says "Okay we want to talk get over here right now." Uh so
47:55
that's going to happen now across you know much of most of the Fortune 500 all of the mid-market so this will get even
48:01
more traction very quickly now I just I love these numbers are extraordinary right uh you know AR of uh 8.7 million
48:10
time to a series A in five months um extraordinary i mean those are crazy
48:16
good numbers but then look at the cursor number from the prior slide 500 million in two years i mean for sure I mean it
48:22
makes look weak right you look at the bottom quartile there though right they raised 10 million in
48:28
in series A and in 6 months or 12 months they brought back a third of it that's an still an amazing number it's a great
48:36
point Salem yeah 3 million in 12 months would have been top decile three years ago here it's bottom quartile that's a
48:42
great point yeah an acceleration of the acceleration um here's a big story in AI this past
48:50
week the Trump administration is launching AI.gov they're hoping to launch it on July 4th i hope they hit it
48:58
uh and I just want to dig into this a little bit uh for those who've been
49:04
frustrated by the government this is a project being led by a Tesla engineer by
49:10
the name of Thomas Shed who's leading the team and the idea is can the
49:15
government use AI across federal agencies the GSA DOT you know FDA DOE
49:22
FAA all of these agencies which have been you know sublinear in their existence at best uh and let's chat a
49:30
little bit about about this so GSA right which is General Services Administration
49:36
it buys everything for the government uh they could use AI to optimize procurement uh you know get vendor
49:42
performance automate contract analysis really you know eliminate fraud dot is
49:48
going to be predicting flight delays analyzing real-time vehicle data helping
49:53

support infrastructure like roads and bridges in advance wouldn't it be great if they could predict where the potholes
49:59
are and get those fixed doe about optimizing grid uh grid ops forecasting
50:05
demand and supply the FAA we're going to see a story on this about automated
50:10
drone traffic management uh weather avoidance and just you know as a pilot
50:16
the the FAA's air traffic control system is a bloody you know 1950s mess and then
50:24
of course we've we've spoken about the FDA uh using AI to enhance drug uh
50:30
device approvals faster clinical protocols optimizing food safety i mean
50:37
if there's one part of the world that needs optimization with AI it's the government yep thoughts you have a great
50:44
road map for how this works too i think Palanteer and AWS uh because because everyone was worried about you know how
50:50
is the government going to interact with cloud computing you know there's a huge privacy issue here and is the government going to start building their own data
50:56
centers and build their own cloud and obviously they don't know how to do that so then Palanteer and AWS set up secure
51:02
clouds private clouds for the government and that became the roadmap so now with AI it's like well I obviously can't take
51:08
all my government documents tax returns and everything and dump them into Gemini or into chat GPT like how's that going
51:14
to work so so now if explain to people why why you can't why you shouldn't do that why you can't do that well first of
51:21
all there's no compartmentalization so it gets pulled into the training data with everything else you know everyone asking about what time's a soccer game
51:26
gets pulled in with someone's tax return goes into the training data then somebody else who queries chat GPT says "Hey what a pay Peter Diamandis' taxes
51:33
look like." And it just answers so so that's not going to work um so yeah all kinds of concerns like that uh but it's
51:39
going to be figured out in the private sector and it's going to be sold to the government as compartmentalized AI
51:45

modules uh there there's a lot of questions around whether departments can pull information and share their AI so
51:52
those are really tricky conversations but I guarantee none none of the ideas are going to come from the government out what'll happen is mandates will come
52:00
out this what the state of New York just did you know the the governor of New York said "You know what we need a gigawatt of nuclear power." Okay any
52:06
ideas on how to do that no I'm just saying make it happen and then every
52:12
private sector genius can propose a way to do it and then they'll just approve one of them and that's what'll happen so the same will happen with AI here so
52:18
hopefully the big AI companies are aggressive in building up their government services operations or they
52:24
bless some other third party like a palunteer type or or a new startup to go and become that that entity but that's
52:31
that's the only way this can actually happen and God knows we desperately need it right ai can solve so many government
52:37
problems so quickly yeah see you've been working with governments around the world with your EXO hat on speak to this
52:44
please i have so much to say here okay three quick points one um most note that
52:50
most government processes are prescriptive and the minute you have a prescriptive repetitive process you can apply AI to it and totally change the
52:56
game so I think that's a huge area second about um a few years ago I was
53:02
asked to give a talk at the Republican National Leadership Convention and the title of my talk was going to be how do
53:08
you drop the cost of government by 10x and you could do it easily using some of these technologies blockchain AI etc etc
53:15
uh the third point I'll give a specific example if you were applying for a wind uh turbine approval in I think it was in
53:22
Colorado it was taking like 2 years or 3 years to get approval for that right and then they brought in a a programmer who
53:29
put in a on a a Google maps where are the electrical mains where are the water manes where the what are the flight
53:35

paths and they were able to reduce that two-year approval time to 30 seconds and that's just the smallest example of how
53:41
you can do this across the board and we've mentioned some of these already it's going to be a gamecher i can't I'm
53:47
so excited about the potential government applications of this i love it i love it and it and it is a quick
53:53
aside you probably heard me speaking about fountain life before and you're probably wishing Peter would you please
53:59
stop talking about fountain life and the answer is no i won't because genuinely we're living through a healthc care
54:05
crisis you may not know this but 70% of heart attacks have no precedent no pain no shortness of breath and half of those
54:11
people with a heart attack never wake up you don't feel cancer until stage three or stage four until it's too late but we
54:18
have all the technology required to detect and prevent these diseases early at scale that's why a group of us
54:24
including Tony Robbins Bill Cap and Bob Heruri founded Fountain Life a one-stop center to help people understand what's
54:31
going on inside their bodies before it's too late and to gain access to the therapeutics to give them decades of
54:37
extra health span learn more about what's going on inside your body from Fountain Life go to fountainlife.com/peter
54:44
and tell them Peter sent you okay back to the episode uh here's a related story
54:50
uh the US Army appoints Palunteer Meta OpenAI execs as lieutenant colonels uh
54:57
this is a special unit created uh to support the government uh fascinating
55:03
i'm going to give some names here uh because they were they were published the employees include the Palanteer CTO
55:10
uh Cheyam Sankar uh Meta's CTO uh Andrew Bosworth uh Kevin Wild uh the OpenAI's
55:19
chief product officer kevin's going to be joining us on this podcast in the next uh for that yeah and and Dave you
55:26
and I had an amazing meeting with with Kevin up at OpenAI headquarters and then Bob Mcgru former OpenAI chief revenue
55:34

research officer so I find this absolutely fascinating um sort of
55:40
indoctrinating and uh and actually they they made it super fast there's no uh no
55:48
required uh you know traditional training no boot camp for these uh for these individuals uh what are your
55:55
thoughts peter you didn't read the quote there the uh the backlash quote okay uh
56:01
the appointment of uh lieutenant colonel in the US Army followed the creation of a special unit created for rich big tech
56:09
mavens seeking military leadership roles this is like exactly what you're always
56:15
saying you know everything turns into a drama whether it needs to be or not that's just the nature of social media i
56:21
mean this is one way that the government can bring in extraordinary intelligence that they could never hire they could
56:27
never recruit otherwise i mean this is sort of a part-time military service to make sure that the US government and the
56:33
US military uh have access to the brightest minds yeah exactly and then I
56:38
don't know the other guys uh personally but Kevin Wild we know and guy brilliant perfect guy
56:44
absolutely and you know is is somebody going to just naturally join the army as a private work their way up and end up
56:51
being aware of how to use AI to solve government and military issues no that's not that's not likely to happen so go
56:57
get the best guy on the planet uh he's absolutely the right guy i mean just just he you know he's he's a physically
57:04
impressive manager he can he can actually move mountains while still being the nicest sweetest guy on the
57:10
planet and he knows exactly how this stuff works like this is just great for everybody i don't know i don't The negative spin here is nutty
57:17
i think that this is a great example of a human being plus AI because as they bring AI to help in these roles it's
57:23
going to be totally transformative you of course have the monster immune system response uh with people going well you
57:29

can't do that unless you've worked your way through the ranks etc etc and people have a thing but I think this is a this
57:35
is a great application um this reminds me of the big problem of around
57:41
leadership training right and we we have we've spent decades and dozens of of
57:46
hundreds and thousands of books lit written on leadership training and then about a few years ago it turned out the best leadership training in the world
57:52
was World of Warcraft um and and the fact that technology can outstrip this
57:58
age-old human kind of institution is unbelievable but it's there and I think
58:03
that added to what these guys can do plus bringing technology and their mindset to the mix this is where I think
58:09
it'll have the biggest impact is they'll bring that mindset to and hopefully infect the rest of the armed forces with
58:14
it all right uh talking about sort of breakthroughs in AI I love this my you
58:21
know hats off to Deep Mind continually to push new capabilities out that
58:26
support all of humanity so this is a Deep Mind uh algorithm supporting better
58:32
tropical predictions uh for cyclones um let me just play the video here it's no
58:38
sound but let me give the uh the data so it's it's a 5-day track prediction uh
58:45
that averaged 140 km closer to the actual storm path right it's the
58:50
difference between hitting Florida and you know and Georgia or Virginia uh this
58:56
was trained on 5,000 cyclones over 45 years uh here are the numbers on impact
59:03
uh there's about $1.4 trillion in economic losses for cyclones over 50 years and I'm excited about this
59:11
thoughts yeah i mean it it's it's you know there's a there's a piece of AI folklore
59:18
called the bitter lesson which basically anytime you throw a lot of data and a lot of compute at one of these
59:24
algorithms you're likely to get a great outcome you can sit there and stare at a wall trying to think through how to do
59:29
it with differential equations for three years you're not going to compete with the big data approach and uh this is a
59:34

great case study i'll bet the people working on this got it cranked out in a very short period of time with just a couple of people yet it's far more
59:41
effective than anything that's been done over you know 50 years of weather research so there's so many of these
59:46
around it's it's just the benefit to humanity if we if we coordinate it and wrangle it correctly is just
59:53
immeasurable and is a great is a great example selma what are your thoughts here um I label this as nothing to see
59:59
here um and I don't mean that in a negative way this kind of thing should be com well this kind of thing should be
1:00:05
completely expected right you take an ancient data set where we had human beings trying to hand plot these things
1:00:11
which are not never going to do that well and now you throw uh AI at it plus
1:00:16
the rich data set that's very bounded and we know exactly the history of course it's going to come out with a
1:00:22
much better thing and thank god uh thank god because look at the predictive ability now going forward huge impact
1:00:29
but I think we should take this as we should expect like a thousand of these is coming out in the next year or two or three i I I agree these would have been
1:00:35
great X- prizes as well and I've been pushing for this you know I think Deep Mind is an extraordinary company under
1:00:41
under Demisabis and they're creating these kinds of assets to support
1:00:46
humanity is really in their their DNA in their culture uh I can't wait for an earthquake prediction X-P prize or an
1:00:53
earthquake prediction algorithm right i mean if you could predict an earthquake with a instead of like 30 seconds or a
The Impact of AI on Critical Thinking
1:01:01
minute with 10 minutes or 30 minutes getting people into safety uh would be
1:01:06
huge i mean one of the Wait can I just drill in on that that's a perfect example like we know animals can sense
1:01:13
this early exactly the data is there the data is there we just have to get the right kind of algorithmic approach to it
1:01:18

and that's an area where I would expect to see a breakthrough in something like that for whether and then when it
1:01:24
happens everybody's going to go "Oh my god this is unbelievable." But we should expect things like this in fact we should take areas and go find them find
1:01:31
areas where we have we know what the answer could be we know definitively it's possible and then put AI against
1:01:38
that yeah my guess is we'll see earthquake prediction uh algorithms within the next two years if not sooner
1:01:44
here's an interesting controversial uh thought on this imagine if you could d
1:01:51
you could control the direction of a hurricane so you instead of having it
1:01:56
hit Miami um you steer it down into Central America you go "Oh my god why
1:02:02
would you possibly do that that's terrible." You know well so if you hit
1:02:07
Miami and the cost of the impact there is you know $50 billion for that and the
1:02:16
government of Costa Rica says "Listen uh you pay us $20 billion and you can land
1:02:23
the hurricane here." Um an interesting arbitrage on geography crazy idea uh we
1:02:30
have people that control control the path of these things do you know the mechanism that they'd use for that uh I
1:02:36
mean butterflies butterfly effect i think you'd use lasers and heating the
1:02:44
atmosphere maybe it's uh it's magic voodoo dust i don't know i mean I can
1:02:49
just see the the other side of that coin right hey Mr trinidad you maybe you want
1:02:54
to pay us some money so that we make sure that hurricane doesn't hit you and you get into all sorts of crazy outcomes
1:03:01
but if you can measure it you can impact it and uh I I find this again huge and
1:03:06
interesting implications okay um our next story here comes from Mattel and
1:03:12
OpenAI they've announced a strategic strategic collaboration uh I've talked
1:03:18
about this forever super excited your toys are going to become you know super
1:03:23
intelligent with GPT5 so your your Barbie doll your Hot Wheels your American Girl i know that See that you
1:03:30

in part in particular like the American Girl dolls uh Thomas and Friends sorry buddy that's okay you've uncovered my
1:03:38
deep secret uh I think this is going to be a boom for the toy companies and I mean this is
1:03:46
going to enable rapid you know early education of our kids
1:03:51
that's the area I'm really excited about because the feedback loop as you have interaction with these toys you'll learn
1:03:57
a lot about the child and we can use that to for understanding learning behavior uh guard rails that you could
1:04:04
implement where their motivations are you could I think it's so exciting because we'll get more data about young
1:04:10
children than we could ever gotten before yeah I was a little surprised Open AI wanted to touch this one um it
1:04:16
it's really clear when you're talking to the AI voices now that they're within a year going to be just crazy engaging
1:04:23
super super friendly and a lot of kids are going to prefer talking to AI all day than to talking to real friends and
1:04:29
I you know there's good and bad that comes along with that i I kind of I've loved every minute of raising my kids uh
1:04:35
and I I hate to see that change in any way but it's clearly coming soon and
1:04:40
it's inevitable the other part Dave is sparking their kids imagination right when you're when
1:04:46
you have to make up what your Ken doll or Barbie doll is saying um that's
1:04:52
critical for fostering early curiosity and imagination it is and and you have
1:04:57
the echo chain chamber risk on the other side of that so if it's done right it's an educational gold mine and the kids
1:05:04
are happy and you know a lot of schools are terrible so you're you're alleviating you know a lot of that so if
1:05:11
it's done right it's it's incredible uh if it becomes an echo chamber then you know you can see where it can go bad in
1:05:17
a real hurry too that's why I'm surprised Open AI wants to touch it because when you start talking about kids you really got you cannot make a
1:05:24

mistake right you got to get it right yeah there was a friend of mine that had a product called Moxy which was an AI
1:05:31
robot and it was mostly being used for young kids with educational uh
1:05:37
challenges right uh neurodeiverse kids in which case you know creating a best
1:05:42
friend and helping them open up and communicate there's real value there
1:05:48
what happens when you AI enable Chucky that'll be interesting
1:05:53
a whole new set of movies coming out all right let's jump into a little bit of AI and education um these are some scary
1:06:01
reports that came out so this is in time magazine chat GPT may be eroding critical thinking skills according
1:06:07
According to a new MIT study Dave did you did you track this yeah well only because you put it in the slides I I
1:06:14
said "I better understand what's going on here this sounds really really important." So I I dug up the uh the research and and read it um and it's
1:06:22
it's nothing surprising if you think about how ways works right a lot of people don't know how to drive anywhere unless they turn on ways like like
1:06:27
places they go every day they still could not get there without turning on ways so it becomes a crutch really really quickly so that's what's
1:06:34
happening here with writing you know where you would have thought through all the underlying topics in order to write it because the AI is filling in the
1:06:40
blind spots you're just you just don't really understand what you what you just wrote but it's not it's not at all
1:06:46
surprising you know it's that when you write it up and put it in a headline it it opens your mind to what's going on
1:06:52
but when you read the paper you're like "Oh duh of course this is exactly how it's going to work." Yeah this is uh some of the data uh I don't know if you
1:07:00
want to use this to recount what what the study said yeah well no it's it's really
1:07:06
straightforward if you if you write a document yourself and you have to think through every single word of it that
1:07:12
time that you put in means you can then recount what you just wrote with incredible accuracy so you know the the
1:07:19

failure rate on the top line shows your quoting accuracy of what you were just talking about so if you use AI to write
1:07:25
the same paper and then you immediately ask you hey what was Shakespeare's favorite toy like I have no idea well
1:07:32
you just wrote it down like oh did I you know so so that's% failure rate uh if
1:07:37
you use chat GPT versus 11% if you're using Google meaning you're actually looking up the data then you're
1:07:43
composing it I mean when you're doing the writing you're doing the research and doing the writing you're effectively
AI and Job Displacement: A Double-Edged Sword
1:07:49
training your own neural net uh and the data is being deposited in your you know
1:07:54
uh in your brain uh it's it is scary uh it's going to become a crutch in terms
1:08:00
of of thinking uh and it's going to get a lot worse
1:08:06
i didn't read it as all bad though i think that the you got you got the work done a 100 times faster in the left
1:08:14
column sure so your neural net actually didn't have time to retain every little detail even if I don't know if if
1:08:22
societyy's going to move 100 times faster we're not going to retain every detail it's just that simple so yes you
1:08:28
as a teacher you could say look the kids are not really learning the stuff but as a person moving through life the kids
1:08:34
are covering a lot more terrain isn't that more important so there it's a mixed bag you know it's not it's not all
1:08:40
bad see good or bad what are your thoughts i have I have an 8020 approach 80% unnerved 20% will navigate this so
1:08:48
the 80% is I actually saw this with Milan my 13-year-old um he was writing an essay and he just used Chachu Pit to
1:08:55
write the essay and he clearly had no memory of that essay he would have fallen completely into these buckets right and so when I saw this slide I was
1:09:02
like "Wa this reminds me completely of what Milan just went through and he has no cognitive framing for what he wrote
1:09:08

in that essay." Okay because he used the the AI to help and so there's now the other side of it is it's happening much
1:09:15
faster etc etc i think the key question is how do you effectively train kids on critical thinking into the future and a
1:09:23
a guest we might want to think about is Nicole Drysky who's actually solved this problem and has found a way of teaching
1:09:28
critical thinking into kids in a very active and a very accelerated way compared to where we do it the the last
1:09:34
point I'll make is that um I remember seeing a study that 52% of the CEOs in Silicon Valley are are liberal arts
1:09:41
majors right which is the the ability to think in different ways is a critical factor of success in leading a tech
1:09:47
company and that's really I find that really interesting paul Graham has a different different spin on that that
1:09:53
the liberal arts major succeeding is more tied to their desire to not do irrelevant difficult things and get to
1:10:00
important topics and it's just an easier way to get through it's a good filter it's a good filter it's a good filter
1:10:06
either way yeah dave or Slim I don't know if you saw Andrew Kaparth's uh presentation at the AI startup school um
1:10:13
I showed it to my son Jet yesterday trying to incentivize him about vibe
1:10:19
coding which uh which Andre came up with he put out the tweet that went viral defining vibe coding uh and and my son's
1:10:28
reaction was I want to learn how to code not just vibe code right so I'm curious
1:10:34
what you think about that because you know the concept right now is English is the new coding language but there's a
1:10:41
lot of value in fundamental coding so what are your thoughts Dave oh my god so many thoughts on this i I have a little
1:10:47
story amazing experience this week i don't know if you want to want to hear it um I do want to hear of course you do
1:10:53
want to hear it it was incredible to me you remember you know right when I got out of MIT went to Micro Strategy came back to Boston and started my first
1:10:59

company data sage yeah our very first product was using neural networks for handwriting recognition okay and so I
1:11:05
took the back prop algorithm you know read the raw research paper all the differential equations said I got to try and code this up on real world hardware
1:11:11
and assembly language from the day I started on that journey until we productized it was four years of coding
1:11:18
wow uh and then that turned into a few million of revenue and then we just skyrocketed from there it all a billion dollar exit when we did you say you
1:11:25
coded up in Did you say you coded up in assembly well we had to because so so you know we we started out in a high
1:11:32
level language but you needed to squeeze every myip you know every flop out of these processors to build anything
1:11:37
scalable enough to work so you know we invented quantization you know which is now all the rage to try and shrink the
1:11:43
parameter size anything to get another 2x performance out of these things just to make it work in a real world use case
1:11:49
and so it's a lot of hard work so then this week uh on Monday I said I wonder how long it would take me to recreate
1:11:55
that four years of work and so no joke and I'm absolutely not
1:12:00
exaggerating it took less than an hour to vibe code it from scratch to the
1:12:05
exact same pro even the demo you know the demo you know graphical interface I put on it vibecoded the entire thing in
1:12:12
under an hour now it's not entirely apples to apples because there's a ton of open source out there that you know the vibe coding can pull in so just just
1:12:19
to be fair but in terms of getting broader point is is the broader point is well made though yeah yeah four years
1:12:25
down to an hour is just like mindblowing what you can do now your son is exactly right spend some time looking at the
1:12:32
code writing some raw code you you don't realize how much faster you are until you try and do it the old way and so
1:12:39
it's a really really important to get that experience you know so let me let me give you the end of this he went off
1:12:44

and wrote a short story um kind of full without any help etc etc and it was
1:12:50
mind-bogglingly good i couldn't believe that I thought he used an AI to write the short story but
1:12:56
it was really really good i think we're in this golden era like like right now the AI can do almost anything for you
1:13:03
but it's not creative yet and so you still have to think the the human component is still by far the most
1:13:08
component now I don't know if that period of time will last forever but right here right now such a golden era
1:13:14
where you're empowered but not you know not demoralized or crushed you know you're it's it's just such a wonderful
1:13:20
next couple of years and you really got to take advantage of it all right next topic here is AI and job loss um this
1:13:28
was a Stanford survey revealing which jobs AI would most likely replace they
1:13:34
surveyed 1500 workers and AI experts 69.4% 4% want AI to quote "Let me focus
1:13:41
on high value work," unquote and 46.6% want it to take on repetitive junk so
1:13:48
that that's kind of obvious um we'll put this study in the show notes uh but you
1:13:54
know here's the occupations most likely be automated no news here bookkeepers
RoboTaxis: The Future of Transportation
1:14:00
payroll clerks data entry insurance claim processors software roles tax
1:14:05
preparers public safety telecom uh Dave Seem any thoughts
1:14:12
well high level thought is look everybody needs to become a user of AI to get ahead of this and this the the
1:14:19
study would say "Wow it looks like brick layers are going to be immune for a while but you're not going to go and become a brick layer just because you
1:14:24
know you got three more years of like it doesn't doesn't really give you any actionable you know robots are coming
1:14:30
for that job too." Yeah exactly so don't don't do that just just start using it
1:14:35
every day understand it and and ride the wave and let's let's double down on that if you're listening to this podcast and
1:14:41
AI sounds fascinating uh you're not a a power user how do you start Salem what
1:14:49

do you start with oh just take a task that you're trying to do and go AI how would I do that task and then say do it
1:14:55
for me and give it the raw data and watch it just go it's uh it's it pretty
1:15:00
much is that easy and I love the point you made Dave earlier which is I do use
1:15:06
chat GPT uh voice interface and when I'm doing my red light therapy or taking a
1:15:11
sauna whatever the case might be or driving I'm having a conversation on whatever subject is I'm curious about uh
1:15:18
and it's extraordinarily educational and fun to have this back and forth with an AI saying well I don't understand that
1:15:25
term could you dive in or what's the data that backs it up or when did that happen i mean just being able to have a
1:15:32
continuous you know it's what a childlike childlike memory or you know experience of why why digging deeper
1:15:40
that's exactly what you should do and and you know get out of the media rut i know Peter you say this a lot but you
1:15:46
know we have the internet now you can actually watch useful media like this or or you know study KJ Hardrich and his
1:15:53
his podcast he's he's phenomenal um watch Lex Friedman watch Dwarkish Patel
1:16:00
but while you're doing it if you don't understand anything have either Gemini 2.5 Pro or Chat GPT4 open and just talk
1:16:06
to it right while you're listening to the podcast stay out of the mainstream media like do not listen to the
1:16:13
Rockstars sports broadcasting whatever it's it's going to distract you and suck you in you need that time back and and
1:16:20
use that time this way it's once you're into it it's just as much fun but much more useful can I make a couple of
1:16:26
points about that last line let's note that uh a lot of those roles are being done because people have to do them not
1:16:33
because they want to do them right it's it's grunt work done repetitively etc etc and it's perfect it's a perfect area
1:16:40
i was really happy to see that a large number of folks 40 whatever percent said I want to take all the repetitive tasks
1:16:46

because nobody wants to be doing that anyway and now we can automate a a lot of that side of it and just a quick
1:16:52
point on the brick laying thing i remember showing a drone at Singularity University a few years ago where you had
1:16:57
drones working in cohesion to lay bricks on a wall and the drones did it in like no time flat cuz they didn't have it was
1:17:03
it's we know exactly where the the bricks need to be laid it's totally prescriptive off you go yeah this is a
1:17:10
story from the Guardian amazon testing humanoid robots to deliver packages took them long enough right um this is uh we
1:17:18
see in the image here Agility's Digit Robot i'm gonna have the CEO of Agility
1:17:24
at the Abundance Summit with their robots actually I'm gonna have four or five robot companies at the Abundance
1:17:29
Summit in March this year uh you can learn more at uh abundance360.com
1:17:35
uh but I was a little alarmed when it when you read it's going to spring out of the van that's it's going to be a
1:17:41
little unnerving when that starts happening my two my two dogs are already freaked out by the postman what the hell are they going to do i mean come on guys
1:17:47
we're going to have autonomous vans driving around uh where robots do the last 10 meters of delivery to your
1:17:54
doorstep uh and it's just going to drop the cost of this so we're going to see you know drone delivery of products
1:18:01
we're going to see you know van autonomous van and robot delivery of products this is happening there's no question about it it's a when not an if
1:18:08
agreed right and so the question is when when do you predict Selen uh I'd say
1:18:15
middle of next year because the technology is all there they just have to get there's probably some regulatory stuff to get through which might slow it
1:18:21
down but the technologies potential is now there now yeah the technology is
1:18:26
there i think the humanoids are inspiring everybody there's no surprise here but but you know what people don't
1:18:31
talk about as much as the robotics that are doing nano surgery micro surgery are unbelievable uh and also the robots that

1:18:37
are crawling through pipes cleaning things you know getting into sewer systems those those are also taking off
1:18:42
they're not as sexy as the humanoids but but it's all happening concurrently and it's just you know tremendous benefit
1:18:49
for humanity i want to make a point about humanoid robots you know we've had this long discussion i'm tired of your
1:18:56
point you're making hold on hold on hold on hold on i thought of a great real world example of of of my octopus idea
1:19:04
which is which is you've got a human robot how many times when you're doing something do you wish you had a third arm to hold the garbage bag open or
1:19:11
whatever so can we please have these humanoid robots have three arms no we'll just have two robots with four arms um
1:19:18
anyway so but here's interesting right we're going to see these companies stack resources so you know I would not be
1:19:26
surprised to see Tesla get into delivery services right with autonomous vehicles and Optimus robots we'll see obviously
1:19:33
here Amazon and Agility um we'll see other companies coming coming together
1:19:39
on this but a full stack in the physical world uh let's talk about robo taxis big
1:19:47
news since we spoke last on June 22nd uh the Tesla uh robo taxi launched in
1:19:54
Austin uh with a flat fee of $4.20 elon loves his 420 over and over again
1:20:03
so Robo Taxi is now live uh here is Elon uh at Tesla headquarters in Austin and
1:20:11
here's a quick video of what a fan had as an experience
1:20:16
in uh robo taxi
1:20:22
thoughts finally he's done it i mean I think it's the biggest one of the biggest markets uh you know that Tesla
1:20:28
is going to experience we've seen Kathy Wood predict as a multi- trillion dollar
1:20:33
marketplace tesla will have been known as a car manufacturer it will be known
1:20:40
as a humanoid robot and uh and autonomous you know robo taxi service
1:20:45
delivery company thoughts gentlemen um so two quick thoughts one is never bet

1:20:52
against Elon i' I've learned that through my massive investment portfolio suffering over the last decade uh I
1:20:59
think the second observation is uh the the these cars are technologically quite
1:21:06
inferior to the Google Whimo taxis because they don't operate in heavy rain they're limited by human level sight and
1:21:13
that's a problem I think in the long term he may get some buzz out of it but he's going to have to upgrade the LAR
1:21:19
for this to be really wor on the other side of that he could just
1:21:25
be waiting for LAR systems and all that to hit the cost curve where it becomes cheap enough and then you just flip over to that well you know his thesis right
1:21:32
if a human driver can drive with just his or her eyes in fact with one human
1:21:38
eye then from first principal thinking an autonomous car should be able to drive with a couple of cameras and
1:21:45
that's basically that's great except lighter can see five cars ahead so uh I
1:21:51
you why not give it superhuman skills yeah why not give it you could do it why not do it and yes it's much more
1:21:56
expensive for now i think his he went down a philosophical route of going away
1:22:01
from LAR and I think that's going to I think you end up with an inferior product but if it's workable and it
1:22:07
works well enough that's fine i mean listen I drive with my you know my Tesla's autonomous mode all the time and
1:22:15
it does perfect the only time it ever stops working is when it catches me
1:22:20
picking up my phone and looking at it and it beeps at me otherwise it's extraordinary in the rain that part
1:22:25
surprised me actually i didn't know you know when we were driving together a couple weeks ago the inward facing camera is new to me it's like actually
1:22:32
watching your behavior and then adjusting i was like "Wow that's a little I'm looking out the window to the
1:22:37
left it sort of like beeps at me if I pick up my phone it beeps at me it's like really annoying." I have my I've
1:22:43

kept my 2017 Tesla Model S for exactly that reason there's no inward camera so
1:22:49
it's great i've now driven that car just to flip to the other side of this i've now driven that car four times up and
1:22:55
down the country from Miami to New York or Toronto so I've become a bit of an expert at the highway sm Have you heard
1:23:02
about this thing called an air you know what i load up with five of my favorite kebabs i arrange 40 conference calls the
1:23:09
car drives itself 80% of the time and it's free to do that and I arrived more refreshed
1:23:14
than when I left i mean it's phenomenal all right let's take a look at this next one so Tesla faces protest in Austin
1:23:21
over Musk's robo taxi plans protesters claim Tesla's uh FSD full self-driving
1:23:28
has been linked to hundreds of crashes including dozens of fatalities um so
1:23:34
let's look at the data here one second um here it is number of accidents uh per
1:23:40
million miles and without any question listen humans are terrible drivers we
1:23:47
are distracted constantly now with you know at least one cell phone per car we are terrible
1:23:52
control systems for two-ton cars going at high speed can I give throw out a quick data point here sure about in 2011
1:23:59
I think it was there was a 3-day outage in BlackBerry services around the world nobody could send text messages for 3
1:24:04
days the accident rate in Abu Dhabi dropped 40% during that three days okay that was then today you look at anybody
1:24:11
driving they're looking at their phone it's we're we absolutely should not be driving as human beings i I I agree i
1:24:17
mean we're going to see an extraordinary uh increase in safety i mean just the idea of a 16 or 17year-old uh driving a
1:24:25
a couple of ton vehicle at 60 mph through the streets with very little experience and their phone distracting
1:24:31
them should scare the daylights out of everybody well this is this is America's greatest Achilles heel actually is that
1:24:38
we're we're responsive to uh sympathetic stories that are statistically rounding
1:24:44

errors and it's it's actually the uh or wrong or wrong yeah sometime well
1:24:50
look at the state of the union address you know somewhere along the way it changed to let me call out four or five
1:24:56
people in the crowd here and tell their personal stories you're like well how do I know if that's just like that could be
1:25:01
one in a trillion for all I know but yeah that's okay i'm just trying to sway a bunch of voters toward the what I'm trying to get done here but we're
1:25:08
ridiculously you know swayed by that and if you look at that prior slide you know yes hundreds of fatalities from
1:25:14
self-driving like well hundreds relative to what and you know you you put your statistician hat on you're like this is
1:25:21
clearly better but you know some of these are really really tragic and if it's all captured on video which
1:25:27
everything is now it can sway opinion and this is where if America is going to lose to China or to some other you know
1:25:35
state it's going to be for this reason yeah it's it's the same the same concept when people hear about an airplane
1:25:42
accident oh my god I'm I'm fearful of flying it's like have you looked at the
1:25:47
accident rates in cars i mean you know flying is still the safest mode of transportation 1.2 million people a year
1:25:54
die in car accidents around the world every year well hey nuclear power let's we will come to that later I guess but
1:26:00
that's another case study and we will so here's uh an important news bite from
1:26:05
this past month here in LA five Whimo vehicles were torched in downtown LA uh
1:26:12
Whimo paused service in LA Limited San Francisco Austin Phoenix Atlanta and the
1:26:19
question is is this the beginning of the lite revolt right so are people you know
1:26:26
are you know people are responding against uh against uh all of the
1:26:31
technology and and here's an image of the Leight Revolution from uh 811
1:26:37
through 8:16 and I have some data I want to share with you guys on this cuz I
1:26:42
think it's uh it's worth noting and I want to talk about it so the Leite Revolt over that 5-year period was a

1:26:48
series of protests by English textile workers against the mechanization of the
1:26:54
industrial revolution particularly against automated looms that threatened their jobs and wages sounds familiar
1:27:00
right uh named after the mythical Ned Leite the movement began in Nottingham and spread across the UK workers fearing
1:27:09
deskskilling and unemployment amid economic hardship from the Napole from
1:27:14
the Napoleonic Wars destroyed machines and organized raids at night the revolt
1:27:20
involved thousands the British government deployed 12,000 troops to suppress it sounds familiar uh and here
1:27:28
we go quote machinebreaking became a capital crime in 20 in 1812 leading to
1:27:35
17 executions dozens of hangings um and the movement was crushed by 1816
1:27:44
thoughts well this is the classic immune system response right um in a slight twist note
1:27:52
I note when I read this up the Whimo cars were actually called to that spot so they could be attacked so the AI is
1:27:59
watching those people carefully for future retribution um but I think this is the general backlash of technology
1:28:06
against society what we don't understand we fear and what we fear we get angry at we try and destroy yeah i should insert
1:28:13
a picture of the pickers that are in front of open AI you know the security guys have cleared them all out now but if you pull one off the internet it's uh
1:28:20
very leite revolt looking yeah and I I think we're we are without question
1:28:25
going to have a revolt uh you know how often and where against which companies
1:28:32
I mean we haven't really started to see job displacement truly occur but when it
1:28:37
does hit and I think we'll be seeing it uh significant in the next 2 to 3 years until we figure it out on reskilling and
1:28:45
you know uh other other mechanisms can I give the positive spin here of of
1:28:52
course we have no more looms we we no it's that it's the fact that we've seen
1:28:58
this um kind of displacement fear throughout history and we always survive it very very well and on the reskilling

1:29:05
which everybody's like oh my god how are we going to reskill note that we have AI to help reskill everybody right and so
1:29:11
you can pick your passion and go I want to be reskilled in that area and you'll get a really good uh potential work note
1:29:19
also that we're near full employment today and have been for a while so we actually need a little bit more buffer
1:29:25
in the in the labor market than we have today so those are my positive spins and I also understand the negative i am
1:29:31
curious uh what rules and regulations the government will put forward i don't
1:29:36
think it will become a capital crime i do think we'll see troops again deployed on things like this um this was just arm
1:29:44
the Whimo cars with little machine guns so they can defend themselves fight back uh this was a scary story two children
1:29:51
shot uh while in a Whimo here in Santa Monica at Second and Broadway this is
1:29:56
actually like a probably a mile from my home uh two teens were shot Armen Tarso
1:30:03
non-lifethreatening now stable in hospitals uh I think violence against
1:30:09
tech i don't know if you remember all of the scooters here in Santa Monica Sim if
1:30:14
you were here at that time and uh and the scooters people sort of raged
1:30:19
against the scooters cuz they were blocking sidewalks they would like literally throw them into the middle of the street they decapitate them uh I
1:30:26
think we're going to see when we see Whimo robots or not way more robots when we see o you know Optimus robots and
1:30:32
figure robots on the streets I I think we're going to find them in various positions hanging from trees
1:30:41
thoughts here we are but I think this is really just part of the shift i mean they probably
1:30:47
called the way to try and get away and there was probably some sort of gang violence involved in this something like this
1:30:55
okay this was the slide uh about Whimo versus
1:31:02
Tesla uh and here's a tweet the downfall of Whimo began yesterday this is on on
1:31:08
this was tweeted on June 23rd about the launch of uh of Elon's robo taxi so

1:31:15
people need to understand the Whimo car is not cheap it's a $200,000 vehicle it's got 29 cameras five LARs six radars
1:31:24
uh versus robo taxi and Elon has held to his first principle thinking there shall
1:31:31
only be cameras uh but this would be a great Dave Salem
1:31:36
bet dave do you have a particular preference on which one would would not win this uh yeah peter you know this
1:31:45
topic far far better than than I do my bet knowing what I know is that it'll be
1:31:51
about a a 7030 split there's always two or three vendors in any given market in the US it always stabilizes at that for
1:31:58
antitrust reasons tesla will grab the lead now uh cuz they put a bigger investment into the the neural chips um
1:32:07
on the other hand you know Google's got incredible technology so but if I had to bet right now I'd say 70% of the market
1:32:12
goes to Tesla 30% goes to Whimo it stabilizes so I'm 5050 because I always
1:32:18
prefer better technology but you have the uh never bet against Elon problem on
1:32:24
the other side you know here's the here's the issue it's a huge capital
China's Solar Power Surge: A Global Perspective
1:32:30
expense that Whimo will need to uh to roll out to do this nationwide elon's
1:32:36
got a different option you buy a Model Y you turn on self-driving it drives you
1:32:42
around you're going on vacation for a week you tell your car to go off and earn your revenue so basically the capex
1:32:49
is covered by the consumer and it becomes a revenue engine for you so you'll buy a couple of these and just
1:32:55
have them go out there so he's going to populate millions of these cars across the country at no capex to himself so if
1:33:03
you apply that model which is essentially the exo model which is assets on demand and you don't own your
1:33:08
own assets and you let other people self-provision these assets etc uh that will win hands down because it'll scale
1:33:15

much much faster than Whimo trying to own its own cars which it has to this is directly connected to our other side bet
1:33:22
which is you remember last week uh Elon and Trump finally break up now they'll hate each other forever i was like "No
1:33:27
no no no no no no one this might be totally made up you know they might be
1:33:32
just trying to make PR for themselves it wouldn't surprise me at all but two if it is real which it probably is they'll
1:33:38
kiss and make up in no time." That was my bet anthony Scaramucci is going to join us
1:33:43
back on this pod to talk about uh how the administration he was eerily eerily
1:33:49
accurate last time when we after inauguration we asked him how many how long will this bromance last and he said
1:33:55
I think 30 scaramucci or something like that and it was really near dead on almost to the day so we got to respect
1:34:02
his views next time yeah well look the government needs space launches and Elon
1:34:07
needs regulatory approval of that really good idea you know you buy your car and then you lease it back to be a robo taxi
1:34:14
it's just a really good idea let's hit a couple other quick ones uh this is uh flying cars and drones uh we've seen the
1:34:22
Trump sign an executive order order on drones and flying cars and supersonics
1:34:28
uh really important for these drone systems to actually work uh you need to
1:34:33
enable beyond visual line of sight mode um and we're seeing uh the US government
1:34:39
support five regional EV tall pilot programs super excited about Archer Aviation here in LA to serve the
1:34:46
Olympics in 2028 and uh the other point here is they're enabling supersonic travel by scrapping
1:34:52
outdated overflight bands so you know the uh supersonic jets of the Concord
1:34:59
could not fly over the domestic US because the sonic boom uh and uh
1:35:06
changing providing FAA waiverss in particular because you know a number of
1:35:11
companies have come up with mechanisms to actually avoid or absorb the sonic boom but this is going to accelerate uh
1:35:18
aviation as it should i mean there hasn't been that much change in aviation for the last 50 years it's been

1:35:24
incredibly slow yeah i I was wondering if all the uh you
1:35:29
know privatization of space travel was also going to lead to breakthroughs for you know out of the atmosphere
1:35:35
hypersonic travel cuz you know I don't know if you remember Steve Kishi was working on that i know way too much
1:35:41
about this it's it's just really tough i mean the amount of energy and to build
1:35:47
something that's going to go skip across the upper atmosphere uh and there have been many companies uh who have died on
1:35:53
that on that uh mission statement and and billions invested uh the closest
1:35:59
thing right now is Starship going spaceport to spaceport but it's still expensive m um here another competitor
1:36:08
we know about uh we know about uh uh three or four of the companies out there
1:36:15
providing EV tall services this is Whisk it's been selected by Miami uh to launch
1:36:22
in that location so watching out for Whisk in Miami uh I don't know if I want
1:36:27
to talk about uh these EV tall flying cars at all Seem but they're coming uh
1:36:33
you know interesting you know Dave when we spoke to Eric Schmidt about this he
1:36:38
was not a believer in EV talls
1:36:43
I mean I think I think it was a a relative thing you know there's so much change going on and so much of it is so
1:36:48
impactful and um I I don't think it was like yeah I don't believe in this it was
1:36:54
it was like look aviation we have helicopters now we're going to have you know four prop electronic versions of
1:37:00
them so what like well the so what to me is that they're self-flying self you
1:37:06
know self-driving that that to me is is really really a big deal and they're much safer too um so I do think it is a
1:37:12
big deal but he he's like "Yeah but relative to space and AI is it a big
1:37:18
deal?" And he was like "Nah not really." Uh for me this is one of the most exciting technologies we could have okay
1:37:26

can I explain why sure but you're still driving your Tesla every place i am but
1:37:31
I just I just love it that's that's fine i'm allowed to do that by the way I have a Porsche Macan electric also and it's
1:37:38
like maybe the best car I've ever driven but it's not way way better than my 2017
1:37:43
Model S it's marginally better so that's really profound to say uh how much
1:37:48
further ahead Tesla was than all the other car makers in many many areas but let me go back to EV talls for a second
1:37:54
okay I think this totally changes the game why because um uh real estate
1:38:01
that's hard to get to is priced very uh low and it's scarce and therefore we pay
1:38:07
a lot of money for that little um um waterfront property on a lake somewhere
1:38:13
because there's not that many of them well now you can get to all sorts of places you can't get to by road it's
1:38:18
going to make an abundance of or a really beautiful plot high up on a mountain side that you can't get to by
1:38:24
car now that becomes viable real estate and we turn real estate from a scarcity problem into an abundance problem and I
1:38:31
think that's incredibly exciting for the future uh there's huge economic implications for this uh not just to
1:38:38
mention uh many of us fly around a lot and how how much of a nightmare is the damn commute into the city and just
1:38:44
having a drone corridor uh from Kennedy airport into Manhattan would just change the game yeah for sure and that is
1:38:52
coming uh we've seen this with Joby with Archer now with Whisk you're gonna get
1:38:57
commute from downtown uh Manhattan to JFK in one of these
1:39:03
vehicles right yeah in Sa Paulo it's 2 hours to get to my
1:39:08
helicopters are the only option you have if you are like not the safest so these are safe and solid and and I think they
1:39:15
be start become really um a big deal tourism destinations i mean the list just goes on of the broad effects this
1:39:22

could have this is hugely exciting to me yeah every day I get the strangest compliment someone will stop me and say
1:39:28
"Peter you have such nice skin honestly I never thought I'd hear that from anyone." And honestly I can't take the
1:39:34
full credit all I do is use something called One Skin OS1 twice a day every
1:39:40
day the company is built by four brilliant PhD women who've identified a peptide that effectively reverses the
1:39:46
age of your skin i love it and again I use this twice a day every day you can
1:39:52
go to onskin.co and write peter@checkout for a discount on the same product I use
1:39:57
that's oneskin.co and use the code peter at checkout all right back to the episode i want to jump
1:40:04
into the next subject which is uh timely and critical which is the demand for
1:40:10
energy from AI systems and a little bit of a look at US versus China i think people need to understand we are going
1:40:18
to become limited by power in our quest for digital super intelligence uh so how
1:40:26
are we going to power this revolution so China is rapidly scaling up on nuclear
1:40:31
uh they're you know it's their equivalent of a splitnick moment so China aims to surpass the US by 2030 in
1:40:40
nuclear i mean the numbers are staggeringly uh incredibly
1:40:46
um you know pessimistic here the US only added two reactors uh this century i
1:40:52
mean two reactors you know over the last 25 years 94 total in the US versus
1:40:59
China's 58 china is building a reactor uh every 52 months the US licensing
1:41:06
alone takes 10 to 12 years yeah crazy yeah you know this is the reason I love
1:41:13
doing this podcast and I look forward to this so much because I you'll your team will dig up a topic that I really need
1:41:18
to study and then it'll come into the deck and I'll be like it's just so fascinating to me to dig in on these
1:41:24
things and you're it's just so fun to talk about it a lot of these things like you know this are
1:41:31
so obvious and this is America's Achilles heel like we cannot act on long-term thinking and long-term
1:41:38

investing our investment cycle is 3 four 5 years at the most our election cycle is 8 years four years or 8 years and we
1:41:45
we can't think about 10 years in the future and so it's killing us it's absolutely killing us but the data in
1:41:51
these next couple of slides is mind-blowing you Yeah i mean we're going to talk about nuclear in a future
1:41:57
podcast with some of the CEOs in these industries but you know generation one
1:42:02
nuclear power plants no longer exist uh generation 2 plants uh are still out
1:42:08
there um including what we saw with Fukushima and 3M Island those were the
1:42:13
dangerous plants uh generation three have been the plants that have been really manufactured over the last 30
1:42:20
years and then generation 4 are the plants that are currently uh have been
1:42:26
designed are fail safe it's kind of nuclear plant I'd put in my backyard but
1:42:32
the time frame for these plants for developing them is insanely long right
1:42:37
we're talking like you know if you wanted to start today it would take you 10 15 years and that's why Three Mile
1:42:43
Island is being recommissioned because it's already uh it's already approved
1:42:48
from a government regulatory standpoint it's crazy it is totally crazy um I've got a I'm really really angry
1:42:56
about this one in a in a I'm trying to be constructive here but we know that solar scales uh China is going to have
1:43:03
more solar let's get to that let's get that's our next topic here let's let's go to the next slide
1:43:10
wait you got muted you muted i don't know if you muted yourself or muted i
1:43:15
get it i'm just really mad i was going to swear and I thought better cut off the mic before I swear
1:43:21
all right so here's I'll let you take the lead here uh China is winning the race to become a type one civilization
1:43:28
in other words a civilization that harnesses all the power hitting the earth and the sun by 2030 China will
1:43:34
have the ability to build an entire US worth of power generation uh from solar
1:43:40

and storage alone every single year look at this chart Sem talk to us about this you go Dave let me let me just gather
1:43:47
myself no this chart is I added the the gigawatt axis on the left there because who the hell talks about terowatt hours
1:43:53
per month what the hell is that metric but anyway gigawatt is a better way to look at it but this is actually uh
1:43:58
gigawatt actual utilization they actually created about 700 gawatt of
1:44:05
solar panels last year 2024 and deployed 250 gawatt of peak capacity
1:44:13
after the the hillsides covered with solar we we covered that on a past podcast it's insane they're just rolling
1:44:20
this out building capacity and distribution yeah yeah i mean just for context the US
1:44:27
total capacity energy production is 1.2 terowatts so 1200 gawatt uh and so you
1:44:33
know peak actual utilization is more like you know 3/4 of a terowatt um so so
1:44:39
you're like yeah half of what the US creates they created in solar panels in 2024 alone just solar panels in 2024
1:44:46
all right so they have an advantage because they've got all the rare earths and they can use those for solar panels and and build out they're going to add
1:44:54
more solar than the entire US energy output in a little while so that's going to be crazy um it blows my mind that we
1:45:01
are putting restrictions and not extending tax credits for solar and other stuff here in this country we need
1:45:06
to unlock that in the biggest possible way and let private sector go nuts on this and put government subsidies there
1:45:13
instead of government subsidies on oil which is what we do today it's the stupidest energy policy we could
1:45:19
possibly have i mean I'm fine with all energy needs to be you know made available but where do we invest on
1:45:26
growth you know uh solar is available today you know the numbers are Can I
1:45:32
just share a couple of points here there's enough energy that hits the
1:45:37
earth in one hour to provide the global energy needs of the entire year so one

The Crypto Landscape: Bitcoin's Resurgence

1:45:46
year worth of sun hitting the earth provides global needs for the entire year
1:45:52
all right so uh here are some additional numbers global solar capacity uh reached
1:45:57
1 point uh 1300 gawatt by 2024 about 1% of global energy need is being provided
1:46:04
by solar it's estimated that if you cover just.1% of the earth about 150,000
1:46:10
kilometers with 20% efficient panels that would generate 200,000 terowatt
1:46:15
hours annually exceeding current demands so how big is 150,000 km it's about the
1:46:23
size of South Dakota i've never been to South Dakota uh but if it were covered
1:46:29
by solar panels it'd be giving us a huge amount of energy so yeah the the the
1:46:34
problem with solar for data centers and AI fundamentally is the good thing about AI is you can move it to the power you
1:46:40
know take the data center that's that's a huge advantage the bad thing is you need those chips to be running 24 by7
1:46:46
they depreciate really really quickly they're very expensive the chips cost 10 times more than the power you're not going to let them sit idle if it's
1:46:52
raining out so solar has the the the horrible flaw of being intermittent and
1:46:58
so it's it's really good if you can store it but the cost of lithium to store the solar when there's when it's
1:47:05
cloudy and raining is about five times higher than the cost of the solar panels so if you want to become the world's
1:47:11
first trillionaire find a way to store huge amounts of energy cheaper there is a way and you we're going to be talking to Bill Gross the CEO of Ideal Lab right
1:47:18
and he's been using gravitational storage which is uh we'll talk about that rather than storing into batteries
1:47:25
you use the energy during the day a portion energy to move a large weight
1:47:31
vertically and this was done has been done with water for for ages but you move a large weight vertically and then
1:47:38
at night the weight gets pulled down by gravity and in a generator generates
1:47:44
electricity so it's efficient it's available and it works can I throw out some some thoughts here sure so um in
1:47:52

2016 we crossed an inflection point where it became cheaper to build a solar
1:47:57
gener power generation facility than fossil fuel and almost all energy and generation since then has become has
1:48:04
been solar because of that um in 2019 we hit a more important inflection point
1:48:09
which is that it became cheaper to build solar than to to build and run solar
1:48:14
than it was to build sorry it became cheaper to build and run a solar facility than just run a fossil fuel
1:48:21
facility so the capex and opex of solar are now cheaper than the opex of fossil
1:48:26
fuels right that's a crazy inflection point meaning we we don't ever need to build a fossil fuel thing again we
1:48:32
should just be building solar the utility storage problem has been solved at scale as you've said um at large
1:48:39
scale this is very easy you just pump water up a hill to an artificial lake and use hydron at night on the way down
1:48:44
right it's a little clunky but it's very workable until battery technology or energy vault type stuff that Bill Gross
1:48:50
is along doing comes along so this is a really a known problem we should be going full out for this the I think it
1:48:57
was 100 miles by 100 miles to power the whole of the US was Elon's calculation the one I saw was 2% of the Sahara
1:49:04
covered with solar panels gives you enough power to cover the whole world's energy needs distribution is a challenge
1:49:10
but just that visual is a really killer visual it's absurd that we're doing what we're doing here's the chart uh Elon
1:49:17
that uh was posted elon's tweet is solar is 100% of energy long-term right no
1:49:25
question this is what's going to drive humanity forward uh and here's a chart
1:49:30
that basically reads it took eight years for solar to go from a 100 terowatt hours to a thousand terowatt hours and
1:49:37
then just three years to go from a,000 to 2,000 terowatt hours you can see that super exponential growth curve you know
1:49:44
exceeding hydro coal gas nuclear wind yeah pretty amazing
1:49:50

yeah I really like pumped hydro is very very efficient but you need a you need about a lake the size of Loch Ness to
1:49:56
move up about 300 meters and come back down to store enough energy to power a huge data center so that's that's a lot
1:50:02
of water bill Gross has Bill Gross has solved that right with these gravitational towers basically you you
1:50:08
pump huge uh you know multi-tonon bags of dirt up into like an elevator shaft
1:50:16
into a large building or up the hillside if you're near a mountain right uh and
1:50:21
he's got this working today he's got huge contracts we'll be talking to him about that i think storage uh can be
1:50:28
solved uh and I'm hoping in fact AI is going to help us with new technology for
1:50:33
for Yeah that's exactly what I was going to say you know if you're a material scientist or or a chemical engineer I'm
1:50:39
pretty sure with AI's help in a couple of years or or maybe even this year come up with a reversible chemical reaction
1:50:46
that's completely self-contained that stores huge amounts of energy use the solar to drive the reaction one way and
1:50:51
then when it's cloudy run the reaction the opposite direction and if you come up with something that's you know 10 20
1:50:57
times more energy dense than a lithium battery which seems very viable you're going to be a trillionaire so just you
1:51:03
know figure that out use a to help i I we a couple years ago we tried to design an X-priseze around this um and the
1:51:11
numbers were get off-rid solid storage 50 times cheaper than it is
1:51:17
today which is viable from here's another tweet from Elon Solar power in China will exceed all sources of
1:51:23
electricity combined in the US in three to four years in three to four years
1:51:29
it's a wakeup call um China is going all in on energy production
1:51:35
Uh and it's it's epic i have one more thing to say about I have one more thing to say about this i
1:51:42
I think this China US stuff is a little overhyped i don't think we'll have that much of a I think it's a stocking but I

1:51:50
think it's a great it's a great Yeah I agree but it's a great comparator i don't think it there's real deep
1:51:56
conflict there no there's not there's just But what it does is it shows the US what is possible
1:52:02
yeah yeah and to Dave's earlier point is is this is a structural issue we have in the US where uh we have four-year
1:52:08
election cycles and we have no mechanism to look at 20 years and say this is the water healthcare energy we need over a
1:52:14
20-year period we need to solve and you know you know running our venture funds you know this acutely but you you make
1:52:20
an investment investors want to see liquidity you know within four or five years they don't want their money to be
1:52:25
sitting out there for 10 or 15 years in China they know they'll still be in power they think they'll still be in
1:52:30
power 20 years from now if you look at the date they said you know what we need to be the world's biggest manufacturer of solar panels so it's about 200
1:52:39
four or 10 or somewhere around there from that date to you have the factories up and running and you have the
1:52:44
production and then also you know when the when there's a recession you got to keep cranking
1:52:50
so just keep the engine running because you know you got a 20-year view 30-year view we just can't do that structurally
1:52:58
in the US um and that's why we get so far behind in nuclear and solar and some of the other long-term trends and that
1:53:04
is our fundamental Achilles heel hey folks Lim here hope you're enjoying these podcasts and this one in
1:53:09
particular was amazing um if you want to hear more from me or get involved in our EXO ecosystem on the 23rd of July we're
1:53:16
doing a once a month workshop tickets are $100 uh we limit it to a few people
1:53:21
to make sure it's intermittent and proper and we go through the EXO model what we do there is we basically show
1:53:26
you how to take your organization and turn it into one of these hyper growth AI type companies and we've done this
1:53:33
now for 10 years with thousands of companies uh many of these use the model that we have called the exponential

1:53:39
organizations model peter and I co-authored the second edition a couple of years ago so it's 100 bucks June July
1:53:45
23rd come along it's the best $100 you'll spend link is below see you there all right last subject for us gentlemen
1:53:52
crypto i always have to have a little crypto in the conversation we've seen uh Bitcoin over the last couple of weeks
1:53:58
dip down below 100K and resurrect itself up to 107 predictions uh See that I'm
1:54:05
seeing still hold that we might see 200K by the end of this year uh I still remain all in and massively enthusiastic
1:54:13
are you uh big time i'm I heard Michael Sailor say Bitcoin will get to 21
1:54:19
million a bitcoin uh I'll be happy when it gets to a million a bitcoin that'll be perfectly good enough I think for
1:54:24
most people cuz that'll just put it at the level of gold which is infantessimal anyway um as in terms of global asset
1:54:31
class but I think there's a bunch of things happening that are making this move very hu very very uh that'll start
1:54:38
to accelerate this i heard Freddy May and Fanny Mack are looking at or approving mortgages backed by Bitcoin
1:54:43
that'll be a huge thing so it's starting to get systemic approval and then things
1:54:48
go crazy yeah for sure uh I love this uh this comes from our our friend Brian
1:54:55
Armstrong at Coinbase earn up to 4% Bitcoin back on every purchase with a new Coinbase One card uh I love this i'm
1:55:04
going to switch over from my AMX to this how about you big time yeah dave thoughts uh I'm
1:55:13
really excited about the next story actually I want to All right well let's go to the next story here uh Dave's holding his powder okay
1:55:20
yes circle internet group goes public and explodes goes exponential mhm yep
1:55:28
yeah so uh two two parts of the story one of them is Jeremy Aair who's who stuck with this for so many years and he
1:55:35
deserves every bit of his his success um for just just grinding it out you know
1:55:40

it's always tough to be an entrepreneur he had to grind it out uh over a long period of time with regulators all over
1:55:46
him and you know different administrations and people going to jail and like what a persistent story but
1:55:53
anyway the reason this is so so important is because agentto agent transactions can be done in either
1:55:59
Bitcoin or dollars now oh and you can move back and forth seamlessly the old method the Swift network the interbank
1:56:05
you know trading network is great if you're trying to move a million dollars to Hong Kong because it's only like a
1:56:11
buck terrible if you're trying to do a penny microtransaction with another AI agent crazy so this solves that problem
1:56:18
and you because the current pricing model on AI is subscription fees you give me 200 bucks a month or 20 bucks a month flat but that's crazy right the
1:56:26
utilization gets throttled because you know they if you're trying to write code
1:56:31
or talk to your AI it'll it'll slow down every now and then why is that cuz there are too many users online like well why
1:56:36
can't I just pay for what I use as I go well it's because we didn't have Circle so the whole AI economy needs to now
1:56:42
move to these microp payments and this is what's going to enable it and that's why the stock is up so much yeah I've been texting with Jeremy uh super
1:56:49
impressed congratulating him on this exponential growth the IPO goes out at $31 a share and peaks at $300 a share
1:56:58
extraordinary right these are the IPOs that the entrepreneurial market needs uh to fuel sort of the opening of the doors
1:57:05
wide open um See thoughts um I want to just uh echo the kudos here for a
1:57:14
slightly different reason which is um one of the big issues in the crypto
1:57:19
world has been trust and you have a lot of scam artists and a lot of shers and can you actually deliver trust and
1:57:26
Jeremy over a long period of time has demonstrated rock solid stable
1:57:31
trustworthy environment and that's not and easy to do in the environment where everybody else is in the United States
1:57:38
and so huge kudos there within the US uh you know territory of law if you would which is

1:57:45
super important so you know circle internet group is a financial technology
1:57:50
founded in 2013 it's a stable coin pegged one to one for the US dollar and
1:57:58
it's going to enable as you said Dave uh you know my AI agents to go and transact
1:58:05
microtransactions uh and it's finally going to enable what is what has been the full promise of
1:58:12
internet uh not just data not just video not just words but a financial layer and
1:58:19
I can't wait can I say one thing about can I say one thing about stable coin Yeah sure it's it's awesome to have this
1:58:26
pegged against the dollar but once you have something there's so many natural assets on in the ground and out in the
1:58:32
worlding when you can peg a stable coin against say real estate holdings or something like that when that becomes
1:58:38
possible as long as the trust again needs to be there uh you're going to unlock unbelievable amounts of capital
1:58:44
flow one of my friends is actually contracted I can't say the details here with a government who has large gold
1:58:51
deposits underground and they've gotten a contract where they're going to uh peg
1:58:58
a token against the gold in the ground and not dig it out wait until the
1:59:06
technology for being able to extract it more environmentally friendly is there but you know that's an extraordinary
1:59:13
thought that there's so many assets that could be uh sort of connected to a token
1:59:18
or a stable token yeah it's a great it's the the missing ingredient actually and kind of the
1:59:23
trifecta of digital transactions because Bitcoin has become a great store of wealth uh but it's you know there's no
1:59:31
guarantee that it's stable the dollar is guaranteed to go down in value right we just print more dollars every year so you don't want to have a huge balance
1:59:37
sitting in circle for a long period of time so what people will tend to do is park their money in Bitcoin then when if
1:59:42
they want to transact in dollars move it over to circle it's all seamless do your microtransactions in circle then come
1:59:48

back to Bitcoin but what if you want something tied to something incredibly stable like real estate or gold or
1:59:53
whatever well doesn't exist yet but that would be the trifecta of the you know the the crypto circle all right Moonshot
2:00:00
mates what an extraordinary couple of weeks since we spoke last um I mean there's so many other stories I can't
2:00:06
wait to cover with you guys uh in the next week or two ahead uh any travels
2:00:12
coming up for you guys see are you are you orbiting the planet again
2:00:18
i just came back from my 100th birthday party of a grandparent uh Lily is one of
2:00:24
Lily's grandmothers which was unbelievable uh not going anywhere for a bit um I think I'll be seeing you soon
2:00:30
Peter at the end of um uh July in Utah maybe so we'll talk separately that's
2:00:36
great yeah dave how about you yeah we have our We're going back to see Kevin While very soon uh in San Francisco
2:00:43
hopefully the sooner the better as far as I'm concerned uh and then uh at Open Headart right mega event yeah OpenAI
2:00:50
headquarters our mega event uh on September 9th uh Google agreed to host
2:00:56
the the pre-party at their HQ so that's going to be So I'm basically going to be going back to San Fran
2:01:02
over and that's why I need that hypersonic plane i just want to want to get back and forth a lot all right dear
2:01:09
Moonshot mates have a fantastic weekend and uh excited for next week see you
2:01:15
guys conversation guys really awesome so fun if you could have had a 10-year head start on the dot boom back in the 2000s
2:01:21
would you have taken it every week I track the major tech meta trends these are massive gamechanging shifts that
2:01:28
will play out over the decade ahead from humanoid robotics to AGI quantum computing energy breakthroughs and
2:01:34
longevity i cut through the noise and deliver only what matters to our lives and our careers i send out a Metatron
2:01:42
newsletter twice a week as a quick two-minute readover email it's entirely free these insights are read by founders

2:01:49
CEOs and investors behind some of the world's most disruptive companies why because acting early is everything this
2:01:57
is for you if you want to see the future before it arrives and profit from it sign up at dmmandis.com/tatrends
2:02:04
and be ahead of the next tech bubble that's dmmandis.com/tatrends
2:02:09
[Music]