

Joe Rogan Experience #1470 - Elon Musk

<https://www.youtube.com/watch?v=RcYjXbSJB8&t=4827s>

Transcript

	timestamp	text
0	00:00	welcome back
1	00:02	here we go again great to see you and
2	00:03	congratulations thank you um you will
3	00:06	never forget what is going on in the
4	00:08	world when you think about when your
5	00:10	child is born you will know for the rest
6	00:12	of this child's life you were born
7	00:14	during a weird time that's for sure
8	00:17	that is for sure
9	00:19	they're probably the weirdest that i can
10	00:20	remember
11	00:21	uh yeah yeah um and he was born on uh
12	00:24	may the fourth and yeah that's hilarious
13	00:26	too yeah may the fourth be with him yeah
14	00:29	exactly it has to be hopefully i sure
15	00:30	hope so perfect yes i mean that was the
16	00:32	perfect day for you
17	00:34	and
18	00:35	how do you say the name
19	00:38	well uh is it a placeholder first of all
20	00:41	my partner is the one that actually
21	00:43	mostly came up with the name
22	00:44	congratulations to her yeah yeah she's
23	00:46	great at names um so
24	00:49	i mean it's just
25	00:50	x the letter x
26	00:52	um and then
27	00:54	the ae is like pronounced ash
28	00:59	yeah
29	01:00	and then
30	01:01	a12 a12 is my contribution
31	01:04	oh why a12 uh archangel 12 the precursor

	timestamp	text
32	01:07	to the sr-71 coolest plane ever
33	01:12	that's true i i agree with you i don't
34	01:14	know i'm not familiar with it i know
35	01:15	what the sr-71 is yeah yeah yeah i know
36	01:17	what that is so the sr71 came from a cia
37	01:20	program uh
38	01:21	called archangel oh it's the archangel
39	01:23	project
40	01:24	and then archangel 12. oh wow what a
41	01:26	dope-looking plane yeah
42	01:28	oh okay i got it yeah well as a person
43	01:30	who's uh
44	01:31	very much into uh
45	01:33	aerial travel as you are that's uh
46	01:36	perfect that's pretty great yeah pretty
47	01:37	great
48	01:38	um
49	01:39	so is it does it feel strange to have a
50	01:42	child while this craziness is going does
51	01:44	it feel like you've had children before
52	01:46	is this any weirder
53	01:49	uh it's actually i think it's better uh
54	01:52	being older and having a kid i
55	01:54	appreciate it more
56	01:56	um yeah
57	01:57	babies are awesome they are pretty
58	01:59	awesome they're awesome yeah when i
59	02:01	didn't have my any of my own i would see
60	02:03	other people's kids and i didn't not
61	02:06	like them sure but i wasn't drawn to
62	02:07	them sure but now when i see little
63	02:09	people's kids i'm like oh i think of
64	02:11	them like these little love packages
65	02:12	yeah little love bugs yeah it's just you
66	02:15	you think of them differently when you
67	02:16	see them come out and then grow and then
68	02:18	eventually start talking to you
69	02:20	like your whole idea what a baby is is
70	02:22	very different yeah so now as you you
71	02:24	know get older and get to appreciate it
72	02:26	as a mature

	timestamp	text
73	02:28	fully formed adult
74	02:30	it must be really
75	02:31	pretty wonderful yeah
76	02:33	wonderful it's great but babies are
77	02:34	awesome yeah yeah that's uh that's great
78	02:37	um
79	02:39	yeah um
80	02:41	i mean also i've i've spent a lot of
81	02:43	time on ai and neural nets and so you
82	02:45	can sort of see
83	02:47	the kind of the brain develop which is
84	02:49	you know what
85	02:51	an ai neural net is trying to simulate
86	02:53	what a brain does basically um and you
87	02:56	can sort of see the
88	02:58	it
89	02:58	learning very quickly
90	03:01	you know it's just wow
91	03:03	see things fire so you're talking about
92	03:05	the neural net you're not talking about
93	03:06	an actual baby i don't know about
94	03:08	actually an actual baby but both of them
95	03:10	yes but the word neural net comes from
96	03:12	the the brain it's like a
97	03:14	net of neurons
98	03:16	so
99	03:17	you know it's like the
100	03:19	yeah
101	03:20	humans are the
102	03:22	you know original gangster the neural
103	03:24	net
104	03:26	that's a great way to put it yeah so
105	03:28	when you're
106	03:29	programming artificial intelligence
107	03:31	where you're working with artificial
108	03:32	intelligence art
109	03:33	are they specifically trying to mimic
110	03:36	the developmental process of a human
111	03:38	brain
112	03:41	in a lot of ways there's some ways that
113	03:42	are different um you know an analogy

	timestamp	text
114	03:45	that's often used is like you know we we
115	03:47	don't make
116	03:48	a submarine swim like a fish
117	03:50	but we take the principles of of how
118	03:54	you know what of hydrodynamics and apply
119	03:57	them to a submarine i've always wondered
120	03:59	as a lay person do you try to achieve
121	04:01	the same results as a human brain but
122	04:03	through different methods or do you try
123	04:05	to copy the way a human brain achieves
124	04:07	results
125	04:10	i mean the essential elements of
126	04:13	an ai neural net are
127	04:15	really very very similar to a
128	04:18	human brain neural net yeah
129	04:21	it's having the multiple layers of
130	04:23	neurons and
131	04:26	you know back propagation these all
132	04:27	these things are what your brain does
133	04:29	you know it's sort of
134	04:31	yeah um
135	04:33	you have a layer of neurons that goes
136	04:35	through a series of intermediate steps
137	04:36	to ultimately cognition and that and
138	04:39	then it'll
139	04:40	reverse those steps and go back and
140	04:42	forth and go all over the place
141	04:43	um
142	04:45	it's um
143	04:47	yeah it's it's
144	04:49	interesting very interesting
145	04:50	yeah i would imagine
146	04:52	like the thought of programming
147	04:54	something that is eventually going to be
148	04:56	smarter than us
149	04:58	that one day it's going to be like why
150	05:00	did you do it that way
151	05:01	like when artificial intelligence
152	05:03	becomes sentient they're like oh you
153	05:04	tried to mimic yourself like this so
154	05:07	much better process cut out all this

	timestamp	text
155	05:09	nonsense
156	05:11	but like there are elements that are the
157	05:12	same but just almost like like an
158	05:14	aircraft does not fly like a bird
159	05:17	right yeah it doesn't flap its wings
160	05:19	but the wings
161	05:21	the way the wings work and generate lift
162	05:23	is the same as bird
163	05:27	now you're
164	05:28	in the middle of this uh
165	05:30	this strange time where you're selling
166	05:33	your houses you say you don't want any
167	05:34	material possessions and i've been
168	05:36	seeing all that and i've been really
169	05:37	excited to talk to you about this yeah
170	05:39	because it's an interesting thing to
171	05:40	come from a guy like yourself
172	05:42	like why are you doing that
173	05:44	i'm slightly sad about it actually
174	05:46	but
175	05:48	if you're sad about it why are you doing
176	05:49	it
177	05:54	i think i think possessions kind of
178	05:56	weigh you down
179	05:58	then they're kind of an attack vector
180	06:01	you know people say hey billionaire you
181	06:03	got all this stuff like well and now i
182	06:05	don't have stuff now what are you gonna
183	06:06	do
184	06:08	attack vector meaning like people target
185	06:10	it yeah um interesting yeah
186	06:13	but you're obviously gonna so you're
187	06:15	gonna rent a place yeah
188	06:17	okay
189	06:18	and get rid of everything except clothes
190	06:21	no i said like almost everything
191	06:23	so it's like keep a couple teslas
192	06:25	yeah sure yeah kind of have to
193	06:28	test product and stuff um
194	06:30	yeah those things that have sentimental
195	06:31	value for sure are keeping those here um

	timestamp	text
196	06:37	yeah so do you feel like
197	06:39	what's worse that could happen right
198	06:41	you're fine
199	06:42	yeah you could always buy more stuff if
200	06:43	you don't like it
201	06:45	especially yeah i mean from the money
202	06:47	that you sell all your stuff you could
203	06:48	buy new stuff
204	06:50	but do you you feel like
205	06:52	people
206	06:53	define you by the fact that you're
207	06:55	you're wealthy
208	06:56	and that they define you in a pejorative
209	06:58	way
210	06:59	for sure i mean not everyone but right
211	07:01	you know there's uh
212	07:03	for sure in recent like years
213	07:06	billionaire has become a per jar like
214	07:08	it's in a projective so like it's like
215	07:10	that's a bad thing um
216	07:12	which i mean i think doesn't make a lot
217	07:14	of sense in most cases if you've if
218	07:16	you're done if you basically
219	07:18	uh
220	07:19	organized a
221	07:21	company like see like how do how does
222	07:23	this wealth arise it's if you organize
223	07:26	people in a in a better way to produce
224	07:29	products and services that are better
225	07:31	than what existed before
226	07:33	and you have
227	07:35	some ownership in that company then that
228	07:38	that essentially gives you the right to
229	07:40	allocate more capital
230	07:42	so it's there's a conflation of
231	07:45	consumption and capital allocation
232	07:48	so
233	07:50	let me say warren buffett for example
234	07:52	and to get totally frank i'm not his
235	07:53	biggest fan but
236	07:55	uh

	timestamp	text
237	07:56	you know he does a lot of capital
238	07:58	allocation
239	07:59	um and he reads a lot of a lot of sort
240	08:01	of annual reports of companies and
241	08:03	all the accounting and it's pretty
242	08:05	boring really um and he's trying to
243	08:06	figure out is
244	08:08	does coke or pepsi deserve more capital
245	08:12	i mean that's
246	08:13	i mean it's kind of a boring job if you
247	08:14	ask me um
248	08:16	but
249	08:17	uh you know it's still a thing that's
250	08:19	important to figure out like which is a
251	08:21	company deserving of more or less
252	08:23	capital should that company grow or
253	08:24	expand is it making products and
254	08:26	services that are
255	08:28	better than others or worse and you know
256	08:31	should
257	08:31	you know
258	08:33	if a company is making compelling
259	08:35	products and services it should get more
260	08:36	capital and if it's not it should get
261	08:38	less we'll go out of business well
262	08:40	there's a big difference too between
263	08:42	someone who's making an incredible
264	08:44	amount of money designing and
265	08:47	engineering fantastic products versus
266	08:49	someone who's making an incredible
267	08:51	amount of money by
268	08:53	investing in companies or moving money
269	08:55	around in the stock market or doing
270	08:57	things along those lines
271	08:58	it's it's a different thing and to put
272	09:00	them all in the same category seems
273	09:02	it's it's very simple and as you pointed
274	09:05	out it's an attack vector yeah for sure
275	09:08	yeah i mean i think it's it's really
276	09:11	i i do think they're
277	09:12	in the in the united states especially

	timestamp	text
278	09:14	there's an over allocation of talent uh
279	09:17	in finance and law
280	09:18	uh basically too many smart people go
281	09:20	into finance and law
282	09:23	so
283	09:24	you know this is both a compliment and a
284	09:26	criticism
285	09:28	we should have of i think fewer people
286	09:31	doing law and fewer people doing finance
287	09:34	and more people making stuff
288	09:37	yeah yeah well that would certainly be
289	09:40	better for all involved if they made
290	09:42	better stuff yeah yeah absolutely um
291	09:45	and and you know manufacturing used to
292	09:46	be highly valued in the united states
293	09:50	and these days it's not it's it's often
294	09:52	looked down upon which i think is wrong
295	09:54	yeah
296	09:55	well i think that people are kind of
297	09:57	learning that
298	09:59	particularly because of this whole
299	10:01	pandemic and this relationship that we
300	10:03	have with china
301	10:05	that it there's a lot of value into
302	10:07	making things into making things here
303	10:10	yes somebody's got to do the the real
304	10:12	work yeah you know and um
305	10:15	you know
306	10:16	like making a car it's an honest days
307	10:18	that's not honest day is living that's
308	10:19	for sure
309	10:20	you know or making anything really or
310	10:23	providing valuable service
311	10:25	um like providing you know greater
312	10:27	entertainment good information but these
313	10:28	are all valuable things to do um
314	10:32	you know so yeah there should be more
315	10:35	more of it did you have a moment where
316	10:38	is this something that this idea of
317	10:40	getting rid of your material possessions
318	10:41	is something that built up over time or

	timestamp	text
319	10:44	did you have a moment of realization
320	10:45	where you realize that
321	10:47	yeah i've been thinking about it for a
322	10:48	while
323	10:50	um
324	10:51	you know part of it is like i
325	10:54	like have a bunch of houses but
326	10:57	i don't spend a lot of time in
327	10:59	most of them and
328	11:02	that doesn't seem like a good use of
329	11:04	assets like somebody could probably be
330	11:05	enjoying those houses and get better use
331	11:08	of them than me so don't you have gene
332	11:10	wilder's house i do that's amazing
333	11:12	that's awesome wow
334	11:15	exactly what you'd expect did you
335	11:17	request that the buyer not [__] it up
336	11:19	yeah that's a requirement
337	11:20	oh a requirement that's that's a good
338	11:22	requirement yeah not in that case in
339	11:24	that house yeah it'll probably sell for
340	11:26	last but still i don't care uh he's a
341	11:28	legend yeah he would want his soul he'd
342	11:31	want his essence yeah in the building
343	11:33	it's and it's there that's a real quirky
344	11:36	quirky house yeah
345	11:37	what what makes you say it's there like
346	11:38	what do you get out of it
347	11:41	um
348	11:44	i mean all the all the cabinets are like
349	11:46	handmade and they're like odd shapes and
350	11:50	there's like doors to nowhere and
351	11:53	strange like
352	11:54	car doors and tunnels and
353	11:56	really odd odd paintings on the wall and
354	12:00	um yeah did you ever live in it it's
355	12:02	very quirky
356	12:03	i did live in it briefly yeah
357	12:06	but why do you buy houses like if you
358	12:08	own all these houses do you just get
359	12:09	bored and go i think i'd like to have

	timestamp	text
360	12:11	that
361	12:13	well i
362	12:14	you know had one house and then
363	12:17	the
364	12:18	junior wilder house right across the
365	12:19	road from me
366	12:20	from from my main house and
367	12:22	it was going to get it was going to get
368	12:24	sold and then torn down and turned into
369	12:26	you know be a big construction zone for
370	12:28	three years and
371	12:30	i was like well i think i'll i'll buy it
372	12:32	and
373	12:33	preserve
374	12:35	the spurt of gene water and
375	12:37	not have a giant construction zone and
376	12:39	then
377	12:40	the
378	12:41	you know this i started having like some
379	12:43	privacy issues where like people would
380	12:45	like less people just like come to my
381	12:47	house
382	12:48	and
383	12:49	you know
384	12:51	start climbing over the walls and stuff
385	12:53	i feel like man
386	12:55	um
387	12:56	so
388	12:57	then i saw like what a house some of the
389	12:59	houses around my house and then i
390	13:01	thought at one point well
391	13:03	you know it'd be cool to to build a
392	13:05	house so
393	13:07	then i
394	13:08	acquired some properties at the top of
395	13:11	samara road uh and which is
396	13:14	got a great view and it's like okay well
397	13:16	these
398	13:16	some bunch of sort of small older houses
399	13:19	they're going to get torn down anyway i
400	13:21	was like well you know if i collect

	timestamp	text
401	13:23	these like little little houses then i
402	13:25	can
403	13:26	build something
404	13:27	you know i don't know artistic like a
405	13:29	you know
406	13:31	dream house type of thing what's a dream
407	13:33	house for elon musk like some tony stark
408	13:35	type [__] yeah definitely
409	13:38	yeah you gotta have the the dome that
410	13:40	opens up with the stealth helicopter and
411	13:43	that kind of thing you know yeah for
412	13:44	sure [__] yeah yeah
413	13:46	um but but then i was like man
414	13:50	do i really want does it really make
415	13:51	sense for me to spend time
416	13:53	designing and building a house and i'd
417	13:55	be real
418	13:56	you know
419	13:57	get out like ocd on the little details
420	14:00	and the design and
421	14:02	or should i be allocating that time to
422	14:04	getting us to mars i should probably do
423	14:06	the latter
424	14:07	so
425	14:09	you know like what's more important mars
426	14:10	or a house i like mars okay
427	14:13	is that really how you think like that
428	14:16	it'd be better off
429	14:17	planning on a trip to mars or getting
430	14:20	people to mars
431	14:21	yeah yeah definitely i mean
432	14:24	you can only do so many things right
433	14:26	right so how you can i don't know how
434	14:27	you do what you do anyway i don't i
435	14:29	don't understand how you can run bull
436	14:30	with a boring company tesla
437	14:33	spacex all these different things you're
438	14:35	doing constantly i just i don't
439	14:37	understand i mean you explained last
440	14:39	time you were here how you sort of
441	14:41	allocate your time and and how hectic it

	timestamp	text
442	14:43	is and insane i still don't the the
443	14:46	productivity
444	14:47	is uh baffling just doesn't make sense
445	14:49	how you can get so much done
446	14:52	well i think i do have high productivity
447	14:54	but even with that there's still some
448	14:55	upgraded cost of time and
449	14:58	allocating time to
450	15:00	building a house even if it was a really
451	15:02	great house
452	15:03	it still is not a good use of time
453	15:06	relative to
454	15:07	developing the rockets necessary to get
455	15:10	us to mars and helping sell sustainable
456	15:12	energy
457	15:13	uh
458	15:14	spacex and tesla are by far
459	15:17	you know by the the
460	15:19	most amount of like brain cycles
461	15:21	um
462	15:23	you know boring company does not take
463	15:25	you know like
464	15:26	less than one percent of brain cycles
465	15:28	and um
466	15:29	and then this neural link which is
467	15:33	i don't know maybe it's like five
468	15:34	percent
469	15:36	and then five percent that's that's a
470	15:37	good chunk it's a good chunk yeah yeah
471	15:39	we were talking about that last time and
472	15:40	you were
473	15:41	trying to figure out when it was
474	15:43	actually going to go live when it's
475	15:45	actually going to be available
476	15:47	are you testing on people right now
477	15:50	no we're not testing people yet but i i
478	15:52	think it won't be too long i think we
479	15:54	may be able to
480	15:56	implant a neurolink in
481	16:01	less than a year
482	16:02	in a person i think

	timestamp	text
483	16:06	and when you do this is there any tests
484	16:09	that you have to do before you do
485	16:10	something like this to to see what
486	16:12	percentage of people's bodies are going
487	16:14	to reject these things
488	16:16	is it put is it there is there a
489	16:17	potential for rejection
490	16:20	it's a very low potential for rejection
491	16:23	i mean you can think of it like
492	16:24	people put in
493	16:26	you know heart monitors and um
494	16:30	you know things for epileptic seizures
495	16:32	and deep brain stimulation
496	16:34	um obviously like you know artificial
497	16:37	hips and right knees and that kind of
498	16:39	thing so the probability of i mean like
499	16:42	it's so it's well known like what will
500	16:43	cause rejection what what will not um
501	16:46	it's definitely harder when you've got
502	16:48	something that is
503	16:53	sort of
504	16:55	reading and writing neurons that's
505	16:56	that's generating a current pulse and
506	16:58	reading current pulses that's that's a
507	17:00	little harder
508	17:01	um
509	17:05	then then say uh passive device but it's
510	17:08	still you know very doable and um yeah
511	17:11	there there are people who have
512	17:12	primitive devices in in their brains
513	17:14	right now
514	17:15	what kind of devices i like deep brain
515	17:18	stimulation is i think for parkinson's
516	17:20	is
517	17:22	like has
518	17:23	really changed people's lives in a big
519	17:25	way
520	17:26	um
521	17:27	which is kind of remarkable because it
522	17:29	kind of like
523	17:30	zaps your brain um it's like kicking the

	timestamp	text
524	17:33	tv type of thing
525	17:34	um and you think like man kicking the tv
526	17:37	shouldn't work it does sometimes yeah
527	17:39	yeah the old old tvs it did my grandpa
528	17:42	used to slap the top for sure
529	17:44	yeah it would work sometimes yeah so
530	17:46	this deep right simulation uh implanted
531	17:48	devices in the brain that uh
532	17:50	have changed people's lives for the
533	17:51	better like fundamentally well let's
534	17:53	talk about what you can talk about to
535	17:55	what neurolink is because the last time
536	17:57	you were here you really couldn't
537	17:58	discuss it and then there was a i guess
538	18:01	a press release or something that sort
539	18:02	of outlined yeah that that happened
540	18:05	quite a bit after the last time you were
541	18:06	here so what exactly
542	18:09	is it how do you do what what happens if
543	18:12	someone
544	18:13	ultimately does get a neurolink
545	18:15	installed what will take place
546	18:18	well for version one of the device it
547	18:20	would be
548	18:22	it basically implanted in your skull
549	18:26	so but it would be
550	18:29	flush with your skull so you basically
551	18:33	uh take out a chunk of skull replace put
552	18:36	the neurologic device in there
553	18:37	um
554	18:38	you put the
555	18:40	the electrode you'd insert the electrode
556	18:42	threads very carefully into the the
557	18:44	brain
558	18:45	and
559	18:46	uh and then you
560	18:49	you know
561	18:50	stitch it up and um and you wouldn't
562	18:52	even know that somebody has it
563	18:54	and then and and so then it it can
564	18:56	interface basically anywhere

	timestamp	text
565	18:58	in any anywhere in your brain um so it
566	19:00	could be something that uh you know
567	19:02	helps cure say uh eyesight like give you
568	19:05	returns your eyesight even if you've
569	19:07	like lost your optic nerve type of thing
570	19:09	uh really yeah yeah absolutely hearing
571	19:12	obviously um
572	19:14	i mean pretty much anything that where
573	19:17	that it could in principle fix almost
574	19:19	anything that is wrong with the brain
575	19:21	and it could
576	19:24	restore uh
577	19:26	limb functionality so if you've got uh
578	19:28	interface into the motor cortex and then
579	19:31	an implant that's say
580	19:34	that's like a microcontroller
581	19:37	and near muscle groups uh you you could
582	19:39	then create a
583	19:40	sort of a neural shunt that restores
584	19:44	somebody who's a quadriplegic to full
585	19:46	functionality
586	19:48	like they can walk around be normal
587	19:51	whoa yeah so maybe slightly better
588	19:54	slightly better over time yes you mean
589	19:57	with future iterations like the you know
590	19:59	six million dollar man although these
591	20:00	days that would that doesn't matter
592	20:02	yeah
593	20:04	six billion dollars
594	20:05	so the
595	20:07	the hole would be small how big would
596	20:09	the hole be that you have to drill and
597	20:10	then replace with this piece
598	20:13	it's only one hole
599	20:14	well
600	20:15	um
601	20:16	yeah the device we're working on right
602	20:18	now is about
603	20:21	it's about an inch in diameter
604	20:23	um and your skull is pretty thick by the
605	20:25	way so skulls are mine is for sure it

	timestamp	text
606	20:27	might actually literally
607	20:29	um i mean if you're a big if you're a
608	20:31	big guy your skull is actually
609	20:33	fairly thick um
610	20:34	skulls like it's like seven to 14
611	20:36	millimeters
612	20:38	um so that's probably a couple inches a
613	20:40	half inch you know half inch thick skull
614	20:42	ish
615	20:43	so
616	20:44	um yeah yeah so that's a fair bit of
617	20:47	like our
618	20:48	we got quite a coconut going on here
619	20:50	it's not it's not like some egg shell oh
620	20:51	yeah i believe you um so the
621	20:54	yeah you basically
622	20:56	implant the device uh and so you would
623	20:58	be like a one inch square
624	21:01	one inch in diameter yeah like so an
625	21:03	inch circle like a circular yeah i think
626	21:05	like a like a smart watch or something
627	21:07	like that
628	21:09	okay
629	21:09	yeah
630	21:11	okay so you take this one-inch diameter
631	21:13	like ice fishing right you ever go ice
632	21:15	fishing um no but i'd like to it's great
633	21:18	yeah it's really fun so you basically
634	21:20	take an auger and you
635	21:23	you drill through the surface of the ice
636	21:25	yeah and you create a small hole and you
637	21:27	can dunk your line in there so this is
638	21:29	like that you're ice fishing on the top
639	21:30	of your skull and then you cork it
640	21:33	yeah and you replace that
641	21:36	say one inch diameter piece of skull
642	21:38	with this neural link device
643	21:41	and that has a battery and a and a
644	21:44	bluetooth and a inductive charger um and
645	21:47	then you
646	21:48	and and now then you also got to insert

	timestamp	text
647	21:50	the electrodes uh so the electrode is
648	21:52	very carefully inserted uh with our
649	21:56	with a robot that we developed uh that's
650	21:59	you know very carefully putting in the
651	22:00	electrodes and avoiding you know and any
652	22:02	veins or arteries uh so it's
653	22:05	you know doesn't create trauma so
654	22:07	through this one-inch diameter
655	22:09	device electrodes be inserted and they
656	22:12	will find their way like tiny wires
657	22:14	basically tiny wires
658	22:15	and they'll find their way to specific
659	22:17	areas of the brain to stimulate no you
660	22:19	literally put them where they're
661	22:21	supposed to go oh
662	22:23	okay yeah
663	22:24	how long will these wires be
664	22:26	uh i mean they usually go in like you
665	22:28	know
666	22:30	depending on where it is like
667	22:33	you know two or three millimeters
668	22:35	so they just find the spots yeah
669	22:38	wow um and then um
670	22:42	yeah then
671	22:43	you put the device in and
672	22:45	that that gets uh that that replaces the
673	22:48	little piece of skull that was taken out
674	22:50	uh and then you
675	22:52	you stitch up the hole and and um and
676	22:55	you just have it look like a little scar
677	22:57	and that's it well this would be
678	22:58	replaceable or reversible yes like if
679	23:00	someone can't take it anymore i'm too
680	23:02	smart i can't take it yeah you can
681	23:04	totally check it out and what is the
682	23:06	besides
683	23:08	restoring limb function and eyesight and
684	23:10	hearing which are all amazing is there
685	23:11	are there any cognitive benefits that
686	23:13	you anticipate from something like this
687	23:16	uh yeah i mean you could for sure um

	timestamp	text
688	23:19	uh
689	23:21	i mean basically
690	23:22	it's a
691	23:24	generalized um
692	23:28	sort of
693	23:29	uh
694	23:31	thing for for fixing any kind of brain
695	23:33	injury in in principle like if you or if
696	23:35	you've got like like severe epilepsy or
697	23:37	something like that it could it could
698	23:38	just it could just sort of stop the
699	23:40	epilepsy from occurring like it could
700	23:41	detect it in real time and then fire a
701	23:44	counter pulse and stop the epilepsy um
702	23:48	if um
703	23:50	i mean there's a whole range of brain
704	23:52	injuries like if somebody gets a stroke
705	23:54	they could lose the ability to speak
706	23:56	um you know that that'll stack could
707	23:58	also be fixed so if you've got like
708	24:00	stroke damage or if you lose say
709	24:03	you know muscle control over part of
710	24:04	your face or something like that i think
711	24:07	and then when when you get old you tend
712	24:09	to
713	24:10	if you get like you know alzheimer's or
714	24:12	something like that then you lose memory
715	24:15	and this could help you with
716	24:17	you know restoring your memory that kind
717	24:18	of thing
718	24:19	restoring memory and what what is
719	24:21	happening that's allowing it to do that
720	24:23	like the wires these small wires
721	24:26	stimulating these areas of the brain and
722	24:27	then is it that the areas of the brain
723	24:29	are they're they're losing some sort of
724	24:32	electrical force like what it what is
725	24:33	happening yeah
726	24:35	yeah it's it's like it's like i think
727	24:37	it's like a bunch of circuits and
728	24:38	there's some

	timestamp	text
729	24:40	like circuits that are broken and we can
730	24:42	like
731	24:44	uh
732	24:45	fix those circuits
733	24:46	substitute for those circuit circuits
734	24:48	and so a specific frequency will go
735	24:50	through this yeah specific in that
736	24:54	would
737	24:55	is the process figuring out how much or
738	24:58	how little has to be how how much
739	25:01	these areas of the brain have to be
740	25:02	juiced up
741	25:03	yeah i mean there's still a lot of work
742	25:05	to do so when i say
743	25:07	you know we got a shot at probably
744	25:09	putting it in in a person in
745	25:12	you know a within a year i think that's
746	25:14	that's what that's exactly what i mean i
747	25:16	think we have a chance of putting input
748	25:17	into one and having them
749	25:19	having them
750	25:20	be healthy and
751	25:22	and restoring some functionality that
752	25:24	they've lost the fear is that eventually
753	25:27	you're gonna have to cut the whole top
754	25:29	of someone's head off and put a new top
755	25:32	with a whole bunch of wires if you want
756	25:34	to get
757	25:35	you know the real turbocharged
758	25:37	version
759	25:39	the p100d
760	25:41	of brain stimulation
761	25:45	i mean ultimately if you if you want to
762	25:47	go with full ai symbiosis
763	25:50	you'll probably
764	25:52	want to do something like that symbiosis
765	25:54	is a scary word when it comes to ai
766	25:57	it's optional
767	25:58	[Laughter]
768	26:01	i would hope so yeah it's just i mean
769	26:04	once you enjoy the dr manhattan

	timestamp	text
770	26:07	lifestyle once you once you become a god
771	26:10	seems
772	26:10	very
773	26:11	very unlikely you're going to want to go
774	26:13	back to being stupid again
775	26:15	i mean you you literally could
776	26:16	fundamentally change the way human
777	26:18	beings interface with each other
778	26:20	yes
779	26:21	yes
780	26:22	you wouldn't need to talk
781	26:27	i'm so scared of that but so excited
782	26:28	about it at the same time is that weird
783	26:32	yeah i mean
784	26:33	the i think this is one of the paths to
785	26:36	um
786	26:40	you know i think like what
787	26:42	like ai is getting better and better um
788	26:45	so
789	26:46	now let's assume it's sort of like a
790	26:47	benign ai scenario
791	26:49	even in a benign scenario we're kind of
792	26:51	left behind
793	26:52	you know we're we're not we're not along
794	26:54	for the ride
795	26:55	um we're just too dumb
796	26:56	right
797	26:58	so so how do you go along for the ride
798	27:00	um
799	27:01	yeah so you can't beat them join them so
800	27:05	um and we're already we're already a
801	27:08	cyborg to some degree right because
802	27:10	you've got your phone you've got your
803	27:11	laptop glasses yeah yeah guitar
804	27:14	electronic devices
805	27:16	and
806	27:18	i mean today if you your phone if you if
807	27:21	you don't bring your phone along it's
808	27:22	like you have missing limb syndrome
809	27:24	that's like you know it feels like
810	27:25	something's really really missing so

	timestamp	text
811	27:28	we're already
812	27:29	partly
813	27:31	um
814	27:33	part you know partly a cyborg um or an
815	27:35	ai symbiote essentially
816	27:38	um
817	27:40	it's just that the data rate to the
818	27:42	electronics is slow
819	27:44	so
820	27:45	especially output like you're just going
821	27:47	with your thumbs
822	27:49	i don't know like
823	27:50	what's your data rate maybe
824	27:52	optimistically 100 bits per second
825	27:54	that's being generous
826	27:56	um
827	27:57	and now the computer can
828	27:59	communicate at like you know 100
829	28:02	terabits
830	28:03	you know
831	28:04	so
832	28:05	so certainly you know
833	28:07	gigabits are a trivial at this point
834	28:10	so this this is like
835	28:13	you know basically
836	28:14	your computer could do a mil do things a
837	28:16	million
838	28:17	times faster or
839	28:21	at a certain point it's like talk they
840	28:22	as like talking to a tree
841	28:25	okay it's boring
842	28:26	you talk to a tree
843	28:28	it's very not very entertaining
844	28:30	um so
845	28:33	um
846	28:34	so if you if you can
847	28:36	solve the the data rate
848	28:38	issue and your especially output but
849	28:40	input two then
850	28:42	you can
851	28:43	improve the

	timestamp	text
852	28:44	sybiosis that is already occurring
853	28:46	between
854	28:47	mana machine
855	28:49	so you you can improve it
856	28:51	in what when you said you won't have to
857	28:53	talk to each other anymore we used to
858	28:55	joke around about that i i've joked
859	28:57	around about that a million times in
860	28:58	this podcast that one day in the future
861	29:00	there's going to come a time where you
862	29:01	can read each other's minds and well
863	29:03	you'll be able to interface with each
864	29:05	other in some sort of a non-verbal
865	29:07	non-physical way where you will transfer
866	29:10	data back and forth to each other
867	29:12	without having to actually use your
868	29:13	mouth
869	29:15	and make noises
870	29:17	exactly so when you
871	29:18	like what happens when you when like
872	29:20	let's say you've got some complex idea
873	29:22	that you're trying to convey to somebody
874	29:23	else and how do you do that
875	29:25	well your brain spends a lot of effort
876	29:28	compressing
877	29:29	a complex concept
878	29:32	into words
879	29:33	and there's a there's a lot a lot of
880	29:35	loss
881	29:36	information loss that occurs when
882	29:38	compressing a complex concept into words
883	29:41	and then you say those words those words
884	29:43	are then interpreted then they're
885	29:44	decompressed by the person who is
886	29:46	listening
887	29:47	and they they will at best get a very
888	29:50	incomplete understanding of what you're
889	29:51	trying to convey it's very difficult to
890	29:53	convey a complex concept with precision
891	29:56	because you've got
892	29:58	compression

	timestamp	text
893	29:59	decompression
894	30:01	you may not even have heard all the
895	30:03	words correctly
896	30:05	and so
897	30:06	communication is difficult you know what
898	30:08	we have here is a failure to communicate
899	30:11	cool and luke yes and there's a great
900	30:13	movie yeah
901	30:15	there's an interpretation factor too
902	30:17	like you can
903	30:18	choose to interpret
904	30:20	certain series of words in in different
905	30:23	ways and they're dependent upon tone
906	30:26	dependent upon social cues
907	30:29	even facial expressions sarcasm there's
908	30:31	a lot of variables sarcasm is difficult
909	30:34	yes yeah and so
910	30:37	one of the things that
911	30:38	i i've said is like that there could be
912	30:41	potentially a universal language that's
913	30:43	created through computers that
914	30:45	particularly young kids would pick up
915	30:47	very quickly like my kids do tick tock
916	30:50	and all this jazz and i don't know what
917	30:51	they're doing they just know how to do
918	30:53	it and they know how to do it really
919	30:54	quickly like they learn really quickly
920	30:56	they show me how to edit things and yeah
921	30:58	it's if you taught a child from first
922	31:00	grade on how to use some new universal
923	31:03	language i mean essentially like a
924	31:05	rosetta stone
925	31:07	and
926	31:08	something that's done
927	31:09	that interprets
928	31:11	your thoughts and you can convey your
929	31:13	thoughts with no room for interpretation
930	31:16	with clear very clear that where you
931	31:19	know what a person's saying and you can
932	31:21	tell them
933	31:22	what you're saying and there's no need

	timestamp	text
934	31:25	for noises no need for mouth noises no
935	31:27	need for
936	31:28	these sort of accepted ways that we've
937	31:31	uh sort of evolved to make sounds that
938	31:35	we all agree
939	31:37	we through our cultural dictionary right
940	31:40	we agree or certainly we could bypass
941	31:42	all that yeah we can still do it for for
942	31:44	sentimental reasons right
943	31:46	like campfires
944	31:48	yeah yeah exactly i don't need campfires
945	31:49	i don't need to roast marshmallows kind
946	31:52	of fun right um
947	31:53	so yeah um
948	31:56	yeah i think you would in principle you
949	31:58	would be able to communicate
950	32:02	very quickly
951	32:04	and
952	32:05	with far
953	32:06	more precision
954	32:08	ideas
955	32:10	and
956	32:10	language would
957	32:13	i'm not sure what would happen to
958	32:14	language but you could probably within a
959	32:16	situation like this that you would be
960	32:17	able to just kind of like the matrix you
961	32:19	you want to speak a different language
962	32:20	in a problem right that's why it just
963	32:22	downloaded the program
964	32:25	right so
965	32:27	at least for the first iterations first
966	32:29	few iterations we'll just be able to use
967	32:31	like i i know that google has uh their
968	32:35	some of their pixel buds have the
969	32:38	ability to interpret languages in real
970	32:40	time
971	32:41	sure yeah you can hear it and they'll
972	32:42	it'll play things back to you in
973	32:44	whatever language you choose so to be
974	32:46	something along those lines

	timestamp	text
975	32:49	yeah for the first few iterations
976	32:52	well the first few iterations are i mean
977	32:54	what i'm talking about is like in the
978	32:55	limit over time you know with a lot of
979	32:58	development um the first few iterations
980	33:01	really in the first
981	33:02	few versions all we're going to be
982	33:03	trying to do is solve brain injuries um
983	33:06	so so it's like don't don't worry that
984	33:08	that's not going to sneak up on you
985	33:11	this this will take a while how many
986	33:12	years
987	33:15	before you don't have to talk
988	33:19	if the if the development
989	33:23	continues to accelerate then
990	33:27	maybe
991	33:28	like five years
992	33:30	five to ten years that's quick
993	33:32	that's really quick that's the best case
994	33:34	scenario no talking anymore in five
995	33:36	years best case scenario
996	33:38	but i'm 10 10 years more like it
997	33:41	i've always speculated that aliens could
998	33:43	potentially be us in the future because
999	33:46	if you look at like the size their heads
1000	33:48	and the fact that they have very little
1001	33:50	muscle and then they don't use their
1002	33:51	mouth anymore they was tiny little i
1003	33:53	mean the archetypal alien that you see
1004	33:55	in like closing counters are the third
1005	33:57	kind they they're like if you went from
1006	34:00	like uh
1007	34:01	australopithecus or ancient hominid to
1008	34:05	us what's the difference less hair less
1009	34:07	muscle bigger head
1010	34:09	and then just keep going a thousand a
1011	34:12	million whatever you or five years
1012	34:14	whatever whatever happens when neurolink
1013	34:17	goes on online and then we slowly start
1014	34:21	to adapt to this new way of being
1015	34:25	where we don't use our muscles anymore

timestamp	text
1016 34:27	we have this gigantic head we can talk
1017 34:29	without words
1018 34:31	you could also
1019 34:33	save state
1020 34:36	and save state save state like save your
1021 34:38	brain state like like a saved game in a
1022 34:40	video game whoa
1023 34:42	like like if you want to swap from
1024 34:44	windows 95
1025 34:46	well
1026 34:50	yeah i think we are windows 95 right now
1027 34:52	yeah
1028 34:53	from a future perspective probably um
1029 34:56	but yeah i mean you you could
1030 34:58	save state
1031 35:00	um
1032 35:01	and restore that state into a biological
1033 35:03	being if you if you wanted to in the
1034 35:05	future in principle it's like nothing
1035 35:06	like from a physics standpoint that
1036 35:07	prevents us now you'd be a little
1037 35:09	different but then you're also a little
1038 35:10	different when you wake up in the
1039 35:11	morning from yesterday and you're a
1040 35:12	little different in fact if you say like
1041 35:15	you five years ago versus you today is
1042 35:17	quite a big difference yes um so
1043 35:20	you'd be substantially you i mean you'd
1044 35:22	be you'd certainly think you're you but
1045 35:23	the idea of saving yourself and then
1046 35:27	transforming that into some sort of a
1047 35:29	biological state like you can hang out
1048 35:32	with 30 year old you
1049 35:35	i mean the possibilities are endless
1050 35:39	that's so weird i mean these things
1051 35:41	think like how your phone can you can
1052 35:43	record videos on your phone like there's
1053 35:45	no way you could remember a video right
1054 35:47	as accurately as your phone or a camera
1055 35:49	you know could
1056 35:51	so

timestamp	text
1057 35:52	uh
1058 35:53	now if you've got like a you know some
1059 35:55	some
1060 35:55	you know version 10 hero link whatever
1061 35:58	and far in the future
1062 36:00	you could
1063 36:01	you could remember you could
1064 36:03	recall everything but just like it's a
1065 36:05	movie
1066 36:06	concluding all the entire sensory
1067 36:08	experience emotions everything
1068 36:10	everything everything
1069 36:12	and play it back
1070 36:14	and you can enjoy it you should edit it
1071 36:16	edit it yeah so you can change your past
1072 36:19	you could change what do you think was
1073 36:21	your past yeah well so if you had like a
1074 36:23	tremendous thing right now
1075 36:25	could be a replayed memory it could be
1076 36:28	yeah it may be
1077 36:30	what's the odds of this being a replayed
1078 36:32	memory if you had a guess
1079 36:34	it's more than 50
1080 36:37	there's no way to assign a probability
1081 36:39	with accuracy here right but roughly
1082 36:44	if you just had a just gut instinct
1083 36:49	well i don't have a neural link in my
1084 36:50	brain so i say right now zero percent
1085 36:55	but at the point at which you do have a
1086 36:56	neural link then it rises above zero
1087 36:59	percent
1088 37:02	the idea that we're experiencing some
1089 37:05	sort of a preserved memory
1090 37:07	is uh
1091 37:09	even though it's still the same it's not
1092 37:11	comforting
1093 37:12	right for some reason when we people
1094 37:14	talk about
1095 37:15	simulation theory they talk about the
1096 37:17	potential for this currently being a
1097 37:19	simulation it even though your life

timestamp	text
1098 37:21	might be wonderful you might be in love
1099 37:24	you might love your career you might
1100 37:26	have great friends
1101 37:28	but it's not comforting to know that
1102 37:30	this experience somehow or another
1103 37:32	doesn't exist in a material form that
1104 37:33	you can knock
1105 37:34	on it feels real doesn't it feels real
1106 37:37	but but if it's not but the idea that
1107 37:39	it's not is for some strange reason
1108 37:43	disconcerting well yeah i'm sure it
1109 37:46	should be disconcerting
1110 37:48	because then if this is not real what is
1111 37:50	right um but but the you know there's
1112 37:52	that that old sort of um
1113 37:55	thought experiment of like
1114 37:57	how do you know you're not a brain in a
1115 37:58	vet
1116 37:59	you know i mean now here's the thing you
1117 38:02	are a brain an event then that fat is
1118 38:04	your skull yes and everything you see
1119 38:06	feel here
1120 38:08	everything all your senses are
1121 38:10	electrical signals everything
1122 38:12	everything
1123 38:16	is an electrical signal to up to a brain
1124 38:18	in a vat where the vat is called and all
1125 38:20	your hormones all your neurotransmitters
1126 38:23	all these things are drugs adrenaline's
1127 38:25	a drug dopamine's a drug you're a drug
1128 38:28	factory
1129 38:30	you're constantly changing your state
1130 38:31	with love and oxytocin and
1131 38:34	and beauty sure changes your state great
1132 38:37	music changes your state absolutely
1133 38:41	and yet here's another
1134 38:43	sort of interesting idea which is um
1135 38:46	because you say like where did
1136 38:48	consciousness arise well assuming you
1137 38:50	believe
1138 38:51	the

timestamp	text
1139 38:52	belief in physics which appears to be
1140 38:54	true um
1141 38:56	then you know we the universe started
1142 38:58	off as basically quarks and leptons and
1143 39:01	it quickly became hydrogen
1144 39:03	and of helium lithium like basically
1145 39:05	elements the periodic table
1146 39:07	but it was like mostly hydrogen
1147 39:09	basically
1148 39:11	and then
1149 39:12	and then over a long period of time
1150 39:15	uh
1151 39:16	you know 13.8 billion years later
1152 39:19	that hydrogen became sentient
1153 39:23	but
1154 39:24	so where
1155 39:25	along the way
1156 39:27	that conju where is the consciousness
1157 39:29	what's the line of consciousness and not
1158 39:30	consciousness right between hydrogen and
1159 39:33	here
1160 39:34	right when do we call it when do we call
1161 39:36	it consciousness i was watching a video
1162 39:38	today that we played on a podcast
1163 39:39	earlier of a monkey riding a motorcycle
1164 39:42	down the street jumps off the motorcycle
1165 39:44	and tries to steal a baby yeah i saw
1166 39:45	that one they went apparel what is that
1167 39:48	monkey conscious it seems like it is it
1168 39:50	seems like it had a plan it was riding a
1169 39:52	[__] motorcycle and then jumped off
1170 39:54	the motorcycle to try to steal a baby
1171 39:57	seems pretty the one that just strike
1172 39:59	baby down the street pretty far yeah
1173 40:00	yeah
1174 40:01	seems pretty conscious
1175 40:04	right
1176 40:05	there's definitely some degree of
1177 40:07	consciousness there yeah it's not like
1178 40:10	it's not a worm it seems to be on
1179 40:11	another level

timestamp	text
1180 40:13	yeah and it's going to keep going and
1181 40:15	that that's the real concern
1182 40:19	when when people think about the
1183 40:21	potential future versions of human
1184 40:23	beings especially when you consider
1185 40:25	symbiotic relationship to artificial
1186 40:27	intelligence it will be unrecognizable
1187 40:29	that one day we'll be so far removed
1188 40:32	from what this is we'll look back on
1189 40:33	this
1190 40:34	the way we look back now on you know
1191 40:37	simple
1192 40:38	simple organisms that we evolved from
1193 40:41	and then it won't be that far in the
1194 40:43	future that we do have this this view
1195 40:45	back
1196 40:47	well i hope consciousness propagates
1197 40:48	into the future and it gets more
1198 40:50	more sophisticated and complex and
1199 40:52	and that it understands the
1200 40:55	questions to ask about the universe
1201 40:58	do you think that's the case
1202 41:00	as a human being as yourself you're
1203 41:01	clearly
1204 41:03	trying to make conscious decisions to be
1205 41:05	a better version of you right this is
1206 41:07	the idea of like getting rid of your
1207 41:09	possessions and realizing that you're
1208 41:11	trying to like i don't like this i will
1209 41:13	try to improve this i will try to do a
1210 41:16	better version of the way i interface
1211 41:18	with reality
1212 41:19	that this is always the way things are
1213 41:21	if you're if you're moving in a
1214 41:24	some sort of a direction where you're
1215 41:26	trying to improve things you're always
1216 41:28	going to move
1217 41:29	into this new place where you look back
1218 41:31	in the old place and go i was doing it
1219 41:32	wrong back then
1220 41:35	so this is an accelerated version of

timestamp	text
1221 41:36	that
1222 41:37	super accelerated version of that
1223 41:40	i mean
1224 41:42	you don't always improve but you can
1225 41:43	aspire to improve
1226 41:44	you can aspire to be less wrong yeah
1227 41:47	this is like i think a good the tools of
1228 41:50	physics are very powerful like just
1229 41:52	assume you're wrong and you're asking
1230 41:53	your goals to be less wrong
1231 41:55	i don't think you're gonna if you
1232 41:57	succeed every day and being less wrong
1233 41:58	but you know
1234 42:00	if you're gonna succeed in being less
1235 42:01	wrong
1236 42:02	most of the time you're doing great
1237 42:04	that's a great way of putting aspire to
1238 42:06	be less wrong
1239 42:07	but then when you know people look back
1240 42:09	at nostalgia about simpler times there's
1241 42:12	that too it's very romantic and exciting
1242 42:14	to look back on
1243 42:16	campfires
1244 42:18	but you can still have a campfire yes
1245 42:19	yeah but will you appreciate it when
1246 42:21	you're a super nerd when you're
1247 42:22	connected to the grid and you have some
1248 42:24	uh skull cap in place of the top of your
1249 42:27	head and it's interfacing with the inter
1250 42:30	international language
1251 42:32	that the rest of the universe now enjoys
1252 42:34	communication with people
1253 42:36	and we're yeah
1254 42:38	sure i think so
1255 42:40	yeah i like empires
1256 42:41	[Laughter]
1257 42:43	i'm just worried i mean uh everyone's
1258 42:45	always scared of change but i'm scared
1259 42:47	of this monumental change where we won't
1260 42:49	we won't talk anymore
1261 42:51	i mean that thing will communicate yes

timestamp	text
1262 42:53	but that's
1263 42:55	there's something about
1264 42:57	there's something about the beauty of
1265 42:58	the crudeness of language
1266 43:00	where when it's done eloquently it's
1267 43:03	it's it's satisfying and
1268 43:05	it it it
1269 43:06	hits us in some sort of a visceral way
1270 43:08	like ah that person nailed it i love
1271 43:11	that they nailed it like that it's so
1272 43:12	hard to capture
1273 43:14	a real thought and convey it in a way
1274 43:17	in this articulate way that makes
1275 43:19	someone except like you read a quote a
1276 43:20	great quote by a wise person it makes
1277 43:23	you excited that their mind
1278 43:25	figured something out put the words
1279 43:26	together in a right way that makes your
1280 43:28	brain pop like oh yes
1281 43:31	yeah yes
1282 43:32	it's clever compression of a concept
1283 43:35	yeah and a feeling
1284 43:36	but the fact that a human did it too
1285 43:38	yeah absolutely do you think that it'll
1286 43:40	be like electronic music like people
1287 43:42	won't appreciate it like they appreciate
1288 43:43	a slide guitar
1289 43:46	i like electronic music i do too yeah
1290 43:49	well you make it i know you liked it
1291 43:51	yeah
1292 43:52	yeah yeah um
1293 43:55	yeah i mean i hope the future is more
1294 43:57	fun and interesting and we should try to
1295 43:59	make that way
1296 44:00	i hope it's more fun and interesting too
1297 44:02	yeah
1298 44:03	i just
1299 44:04	you know i just hope you don't lose
1300 44:05	anything along the way
1301 44:07	yeah we might at least little but
1302 44:09	hopefully we'll gain more than lose yeah

timestamp	text
1303 44:11	that's the thing right gaining more than
1304 44:12	we lose like something that makes us
1305 44:14	interesting is that we're so flawed it's
1306 44:16	not for sure right yeah
1307 44:20	i mean you look at civilizations through
1308 44:21	the ages um
1309 44:23	most of them uh you know they rose and
1310 44:24	fell yeah and uh
1311 44:28	i do think like the
1312 44:30	globalization
1313 44:31	uh that that we have
1314 44:35	at the sort of like the the meme sphere
1315 44:38	uh is uh
1316 44:39	there's not enough isolation between
1317 44:42	countries
1318 44:43	or regions
1319 44:44	um
1320 44:46	it's like if you get up if there's a
1321 44:47	mind virus
1322 44:49	that that my virus cannot infect too
1323 44:51	much of the world
1324 44:52	uh you know like i actually
1325 44:55	sort of sympathize with the
1326 44:56	anti-globalization people because it's
1327 44:59	it's like man we don't ever want
1328 45:00	everywhere to be the same for sure and
1329 45:02	then we we need some kind of like mind
1330 45:05	viral immunity
1331 45:08	so
1332 45:09	that that's it's a bit concerning mind
1333 45:11	viral immunity meaning that once
1334 45:14	something like neural link gets
1335 45:15	established the real concern is
1336 45:18	something that i mean you said it's
1337 45:20	bluetooth right or some future version
1338 45:22	of that that the idea is that something
1339 45:24	could possibly get into it [__] it up no
1340 45:28	i'm talking about like uh somebody
1341 45:29	there's some cockeyed concept that um
1342 45:35	that's happened that happens right right
1343 45:36	now

timestamp	text
1344 45:37	yeah
1345 45:39	well i know there's viruses and embedded
1346 45:40	chips right like people have
1347 45:43	they've embedded chips and then acquired
1348 45:45	viruses well when i'm talking about my
1349 45:46	verse i'm talking about like a a concept
1350 45:50	that affects people's minds
1351 45:51	oh okay okay
1352 45:54	like uh
1353 45:55	cult thinking or yeah some sort of
1354 45:57	fundamentalism yeah just
1355 46:00	wrong-headed idea that yes goes
1356 46:03	viral in a
1357 46:04	in an idea sense
1358 46:06	[Music]
1359 46:08	well that is that is a problem too right
1360 46:09	if someone can manipulate that
1361 46:11	technology to make something appear
1362 46:13	logical or rational
1363 46:16	yeah yeah that would that be an issue
1364 46:19	too with
1365 46:20	this is a very have versus have not
1366 46:22	issue right once this thing if if this
1367 46:25	really does
1368 46:26	i mean initially it's going to help
1369 46:28	people with with injuries and but you
1370 46:30	you said
1371 46:31	ultimately it could lead to this
1372 46:33	spectacular cognitive change yes but the
1373 46:36	people that first get it
1374 46:38	should have a massive advantage
1375 46:41	over people that don't have it yet
1376 46:43	well i mean it's the kind of thing where
1377 46:45	your productivity would improve
1378 46:47	i don't know dramatically maybe by a
1379 46:49	factor of 10 with it so
1380 46:52	you could definitely just
1381 46:54	you know uh i don't know take out a loan
1382 46:57	and do it and earn earn the money back
1383 46:59	real fast
1384 47:00	so you're super smart

timestamp	text
1385 47:02	well
1386 47:03	in a capitalist society
1387 47:05	you know you could it seems like you
1388 47:07	could really get so far ahead that
1389 47:08	before everybody else could afford this
1390 47:11	thing and link up and get connected as
1391 47:13	well you'd be so far ahead they could
1392 47:15	never catch you
1393 47:17	is that a concern uh
1394 47:19	well
1395 47:21	i think the the
1396 47:23	it's not a super huge concern i mean
1397 47:25	there are huge differences in cognitive
1398 47:26	ability and and resources already yeah
1399 47:29	um
1400 47:30	i mean you can think of a corporation as
1401 47:31	like a
1402 47:32	cybernetic collective
1403 47:34	uh that's
1404 47:35	far smarter than an individual like i i
1405 47:38	can personally build like a whole rocket
1406 47:40	and and the engines and launch it and
1407 47:42	everything that's impossible uh but
1408 47:45	you know we have eight thousand people
1409 47:46	with spacex and
1410 47:49	you
1411 47:49	might
1412 47:51	you know piecing it out to different
1413 47:53	people
1414 47:54	um
1415 47:55	and using like you know computers and
1416 47:57	machines and stuff we can make
1417 48:00	lots of rockets launch and all but
1418 48:02	stuck with the space station that kind
1419 48:03	of thing you know um so
1420 48:07	that already exists where this
1421 48:10	you know where there's a
1422 48:11	corporations are vastly more capable
1423 48:13	than an individual
1424 48:16	um
1425 48:17	but the the

timestamp	text
1426 48:20	like we should be i think less concerned
1427 48:22	about like relative
1428 48:25	capabilities between people and and more
1429 48:27	like
1430 48:28	uh
1431 48:31	having ai be vastly
1432 48:33	you know beyond us and
1433 48:35	decoupled from human will
1434 48:38	decoupled from human so this is the if
1435 48:41	you can't beat them join them
1436 48:43	yeah i mean so you feel like it's
1437 48:45	inevitable like ai sentient ai is
1438 48:48	essentially inevitable super sentient ai
1439 48:50	yeah
1440 48:52	like beyond a level that's difficult to
1441 48:54	understand
1442 48:56	and impossible to understand probably
1443 48:58	and somehow or another
1444 49:00	us
1445 49:01	so it's almost like
1446 49:04	it's a
1447 49:05	requirement for survival to
1448 49:08	achieve some sort of symbiotic existence
1449 49:11	with ai
1450 49:12	it's not a requirement it's
1451 49:14	just um
1452 49:18	if you if you want to be along for the
1453 49:20	ride
1454 49:22	then you need to do some kind of
1455 49:24	symbiosis so the the way your brain
1456 49:26	works right now you've got uh
1457 49:29	kind of like the animal brain reptile
1458 49:30	brain kind of let's
1459 49:33	say
1460 49:34	it's like the limbic system basically
1461 49:36	and you've got the the cortex
1462 49:38	um
1463 49:39	now the brain purists will argue with
1464 49:41	this definition but essentially you've
1465 49:42	got
1466 49:44	the primitive brain and you've got the

timestamp	text
1467 49:45	the sort of
1468 49:48	smart brain or the brain that's capable
1469 49:50	of planning and understanding concepts
1470 49:52	and different difficult you know things
1471 49:54	that a monkey can't understand um
1472 49:58	now the
1473 49:59	your cortex is much much smarter than
1474 50:01	your olympic system
1475 50:03	um
1476 50:04	nonetheless they work together well
1477 50:07	so i haven't met anyone who wants to
1478 50:08	delete the olympic system or the cortex
1479 50:11	that people are quite happy having both
1480 50:13	um
1481 50:14	so you can think of the
1482 50:16	this as being
1483 50:17	like the computer the ai is like a
1484 50:20	a third layer a tertiary layer
1485 50:23	so that is
1486 50:24	like that could be symbiotic with the
1487 50:26	cortex it'd be much smarter than the
1488 50:28	cortex but you'd essentially have three
1489 50:30	layers
1490 50:30	and you actually have that right now
1491 50:32	your phone is capable of things and your
1492 50:34	computer is capable things that your
1493 50:36	brain is definitely not
1494 50:38	you know storing
1495 50:40	your terabytes of information
1496 50:42	perfectly
1497 50:44	um
1498 50:45	doing
1499 50:46	incredible calculations that you you
1500 50:48	know we couldn't even come close to
1501 50:49	doing
1502 50:50	you have that with your computer
1503 50:53	it's just like i said the data rate is
1504 50:54	slow the connection is weak
1505 50:57	why is it so
1506 50:59	disconcerting or why is it why does it
1507 51:02	not give me comfort

timestamp	text
1508 51:04	to think about like when i think about a
1509 51:06	symbiotic connection to ai i always
1510 51:08	think of this cold
1511 51:10	emotionless
1512 51:13	sort of
1513 51:14	thing that we will become
1514 51:16	is that a bad way to look at it i don't
1515 51:18	think that's not that's not quite that's
1516 51:19	not how it would be
1517 51:21	like i said you you already are yeah
1518 51:23	symbiotic with ai or computers phones
1519 51:27	computers laptops yeah and there's
1520 51:28	there's quite a bit of ai going on you
1521 51:30	know near so artificial neural nets
1522 51:33	um increasingly
1523 51:35	neural nets are
1524 51:38	sort of taking over from regular
1525 51:39	programming more and more
1526 51:42	so
1527 51:43	you are connected
1528 51:45	um
1529 51:47	you know
1530 51:48	if you use
1531 51:49	google voice or alexa or one of those
1532 51:51	things it's using a neural net to decode
1533 51:53	your speech and try to understand what
1534 51:54	you're saying
1535 51:56	um
1536 51:57	you know if if you're trying to image
1537 51:58	recognition or improve the quality of
1538 52:00	photograph it's
1539 52:02	it's using the neural nets the best way
1540 52:04	to do that so
1541 52:06	um you are already
1542 52:09	uh
1543 52:11	sort of a
1544 52:12	sort of a cybernetic symbiote
1545 52:14	it like said you
1546 52:16	when that
1547 52:17	it's just a question of your data rate
1548 52:19	the the the communication speed between

timestamp	text
1549 52:22	your your phone and your brain is slow
1550 52:26	when do you think you're gonna do it
1551 52:29	how long will you wait um
1552 52:33	like once it starts becoming available
1553 52:35	yeah if it works i'll do it sure
1554 52:37	right away
1555 52:39	i mean let's make sure it works
1556 52:41	how do we make sure it works we're
1557 52:43	trying on prisoners like what do you do
1558 52:45	no no you take rapists no cut holes in
1559 52:48	your head
1560 52:48	now like i said if somebody's got a
1561 52:50	serious brain injury right um
1562 52:52	and though you know people have like
1563 52:53	very severe brain injuries um
1564 52:56	and then and then you can fix those
1565 52:58	those brain injuries um and
1566 53:02	you know then you prove out that it
1567 53:03	works and you expand envelope expand and
1568 53:07	make more and more brain injuries
1569 53:09	uh sold more and more um and that you
1570 53:12	know suddenly at certain age we all are
1571 53:14	are going to get alzheimer's we're all
1572 53:15	going to get senile um and then you know
1573 53:18	moms forget the names of their kids and
1574 53:20	that kind of thing and so
1575 53:21	you know
1576 53:22	it's like you said okay well you know
1577 53:24	this would allow you to
1578 53:26	remember your names your kids and and
1579 53:28	and have
1580 53:29	a normal a much more normal life where
1581 53:32	you you you're able to function much
1582 53:34	later in life
1583 53:36	um so i think that so essentially that
1584 53:38	there would almost everyone would find a
1585 53:40	need at some point if if you get old
1586 53:43	enough to
1587 53:44	use your neural link
1588 53:47	and
1589 53:48	and and then it's like okay so we can

timestamp	text
1590 53:50	improve the functionality and improve
1591 53:52	the communications communication speed
1592 53:54	so
1593 53:55	then you
1594 53:56	will not have to use your thumbs to
1595 53:58	communicate with the computer
1596 54:02	do you ever sit down extrapolate do you
1597 54:03	ever like sit down and think about
1598 54:07	all the different iterations of this and
1599 54:09	what this eventually leads to
1600 54:13	um yeah i mean i think sure think about
1601 54:15	a lot um
1602 54:17	there's
1603 54:19	like i said this is not something that's
1604 54:20	going to sneak up on you you know
1605 54:22	there's like getting fda approval for
1606 54:23	this stuff is not like overnight you
1607 54:26	know um
1608 54:27	and
1609 54:30	this there's
1610 54:31	i mean we probably
1611 54:32	have to be on like version 10 or
1612 54:34	something
1613 54:35	before
1614 54:37	you know
1615 54:38	it it
1616 54:39	would realistically be
1617 54:43	um
1618 54:44	you know a human ai symbiote situation
1619 54:51	so you'll see it coming you know
1620 54:53	you see it coming but what do you think
1621 54:55	it's going to be
1622 54:56	like when you sit when you're alone if
1623 54:58	you have free time i don't know if you
1624 54:59	have free time but if you just sit down
1625 55:01	and think
1626 55:02	about
1627 55:03	this iteration the next onward keep
1628 55:06	going
1629 55:07	and you you drag it out with
1630 55:09	improvements along the way

timestamp	text
1631 55:10	and leaps and bounds and technological
1632 55:12	innovations and
1633 55:14	where do you see it
1634 55:18	what are we going to be like when 20 25
1635 55:21	years from now what are we going to be
1636 55:30	well assuming civilization is still
1637 55:32	around um it's looking fragile right now
1638 55:36	um
1639 55:38	i think we i think we could have a
1640 55:43	in 25 years probably something i think
1641 55:45	like that could be a whole brain
1642 55:47	interface
1643 55:49	a whole brain interface
1644 55:51	sorry pretty close to that yeah how does
1645 55:53	how do you define what do you mean by
1646 55:54	whole brain interface
1647 55:57	um
1648 55:59	like almost all the neurons
1649 56:03	are connected to
1650 56:06	uh
1651 56:09	you're the sort of
1652 56:10	ai extension of yourself
1653 56:14	if you want ai extension of yourself
1654 56:18	yeah
1655 56:19	what does that mean to you like when you
1656 56:21	say ai extension of yourself
1657 56:25	well you like i said you already have
1658 56:28	a computer extension of yourself in your
1659 56:30	phone
1660 56:30	you know and computers and stuff so and
1661 56:33	now online it's like somebody dies
1662 56:35	there's this like an online ghost
1663 56:37	that they're they're still their online
1664 56:39	stuff yeah it's alive that's a good way
1665 56:42	to put it it is weird when you read
1666 56:43	someone's tweets after they're dead
1667 56:45	yeah yeah
1668 56:47	instagram and their stories and stuff
1669 56:48	yeah whatever facebook inside you know
1670 56:50	like that's a great way to put it it's
1671 56:52	like an online ghost

timestamp	text
1672 56:54	that's very accurate
1673 56:56	yeah so
1674 57:00	yeah so there's
1675 57:03	it would just be that that more of you
1676 57:05	would be
1677 57:07	in the cloud i guess than in your body
1678 57:10	more of it more of you
1679 57:13	whoa
1680 57:16	now when you say civilization's fragile
1681 57:17	do you mean because of this covet 19
1682 57:19	[__] that's going on right now what's
1683 57:21	that i've never heard of it it's this
1684 57:22	thing yeah no it's like uh some people
1685 57:24	just get a card other people
1686 57:27	it gets much worse
1687 57:29	uh sure
1688 57:31	yeah
1689 57:33	well
1690 57:35	yeah
1691 57:39	i mean this certainly has taken over the
1692 57:41	mayan space of the world
1693 57:43	to a degree that is quite shocking yeah
1694 57:46	well out of nowhere that's what's crazy
1695 57:48	it's like
1696 57:49	you go back to november nothing now here
1697 57:52	we are december january february march
1698 57:54	april may six months
1699 57:56	totally different world
1700 57:58	so from nothing to everything's locked
1701 58:00	down
1702 58:01	there's so much uh conflicting
1703 58:04	information and conflicting opinions
1704 58:05	about how to proceed
1705 58:07	what what has happened
1706 58:09	you you find things where
1707 58:11	there was a meat packing plant i believe
1708 58:13	in missouri where
1709 58:16	300 plus people were asymptomatic tested
1710 58:20	positive or asymptomatic and then in
1711 58:22	other places it just ravages entire
1712 58:24	communities and kills people and it's

timestamp	text
1713 58:26	it's so weird it almost appears on the
1714 58:29	out like if you didn't know any better
1715 58:31	you'd be like what it seems like there's
1716 58:32	a bunch of different viruses it doesn't
1717 58:34	seem like it's the same thing or has a
1718 58:37	bunch of different reactions to the
1719 58:39	biological variety of of people
1720 58:44	yeah um
1721 58:48	i mean i kind of saw this whole thing
1722 58:50	play out in china uh before it played
1723 58:52	out in the us
1724 58:54	so
1725 58:55	um it's kind of like watching the same
1726 58:57	movie again
1727 58:59	but in english
1728 59:02	um so
1729 59:06	yeah um
1730 59:11	i might i think the the the the
1731 59:13	mortality rate is much less than what is
1732 59:17	then what say the world health
1733 59:19	organization said it was it's very much
1734 59:21	module assets like probably at least
1735 59:22	order of magnitude less well it seems to
1736 59:25	be very deadly to very specific kinds of
1737 59:28	people and people with specific problems
1738 59:32	yeah i mean if you're
1739 59:35	you can look at the mortality statistics
1740 59:38	you know by age and whether they have
1741 59:40	comorbid comorbidities like do they have
1742 59:42	like basically existing conditions and
1743 59:44	um by age um and uh
1744 59:49	you know if you're
1745 59:51	below 60 and and have no serious health
1746 59:54	issues the probability of death is
1747 59:56	extremely low it's not zero but it's
1748 59:58	extremely low
1749 60:00	they didn't think that this was the case
1750 60:03	though when they first started to lock
1751 60:05	down the country do you think that it's
1752 60:07	a situation where once they've proceeded
1753 60:10	in a certain way it's very difficult to

timestamp	text
1754 60:12	correct course
1755 60:18	it's almost like people really wanted
1756 60:20	a panic
1757 60:21	that you know
1758 60:23	quite quite crazy
1759 60:25	but in some places a panic is deserved
1760 60:27	right like if you're in the icu in
1761 60:29	manhattan and people are dying left and
1762 60:31	right and everyone's on intubators and
1763 60:33	it's
1764 60:34	it's it seems like
1765 60:36	when you see all these people on
1766 60:38	ventilators and so many of them are
1767 60:40	dying and you see these nurses are dying
1768 60:42	and doctors are getting sick
1769 60:44	in some places
1770 60:45	that
1771 60:46	fear is justified but then in other
1772 60:48	places
1773 60:50	you're reading these stories about
1774 60:51	hospitals that are
1775 60:53	essentially half empty
1776 60:55	they're they're having to furlough
1777 60:56	doctors and nurses because there's no
1778 60:59	work for them
1779 61:00	most of the hospitals in the united
1780 61:02	states right now half empty
1781 61:04	in some cases they're at 30 capacity
1782 61:06	and is this because they've decided to
1783 61:09	forego elective procedures
1784 61:11	and and normal things that people would
1785 61:14	have to go to the hospital for
1786 61:16	yes i mean
1787 61:18	we're not talking about just
1788 61:20	some of these elective procedures are
1789 61:21	quite important like it's like you have
1790 61:23	about a lot of disease yeah sure and you
1791 61:25	need a you know triple bypass it's like
1792 61:29	sort of elective but if you don't get it
1793 61:31	done in time it's you're gonna die yeah
1794 61:33	it's elective is a weird word yeah

timestamp	text
1795 61:35	elective it's not like hey i i want to
1796 61:38	it's not like plastic surgery
1797 61:42	it's more like like my my hip is i'm in
1798 61:44	extreme pain because my my hips blown
1799 61:47	out or my knee and i
1800 61:48	don't want to go to the hospital i can't
1801 61:50	go to the hospital to you know people in
1802 61:52	extreme pain
1803 61:53	people that need a kidney you know like
1804 61:55	people that have like quite serious
1805 61:57	issues that are choosing not to go out
1806 61:59	of fear um so i think it's
1807 62:01	it's a problem it's not good it seems
1808 62:03	like the state of public perception is
1809 62:05	shifting it is like people are taking
1810 62:08	some deep breaths and relaxing and
1811 62:10	because of the statistics of i mean and
1812 62:13	essentially across the board it's being
1813 62:15	recognized that it's not
1814 62:18	as fatal as we thought it was still
1815 62:20	dangerous still worse than the flu but
1816 62:22	not as bad
1817 62:24	as we thought or we feared it could be
1818 62:28	i mean objectively the mortality is is
1819 62:31	much lower
1820 62:32	like
1821 62:34	at least a factor of 10
1822 62:36	maybe a factor of 50 lower than
1823 62:38	initially thought
1824 62:41	do you think that the current way we're
1825 62:44	handling this
1826 62:45	the social distancing the mass the
1827 62:47	locking down is it does this make sense
1828 62:50	is it adequate or do you think that we
1829 62:53	should
1830 62:54	move back to
1831 62:56	at least closer to where we used to be
1832 63:00	well i think proper hygiene is a good
1833 63:02	thing no matter what you know wash your
1834 63:03	hands and
1835 63:05	you know and if you're

timestamp	text
1836 63:06	if you're coughing stay home or wear a
1837 63:09	mask this is not good you know um like
1838 63:12	they do that in japan that's like normal
1839 63:13	if you're if you're ill you you wear a
1840 63:16	face mask and you don't cough on people
1841 63:18	i think that that would be a great thing
1842 63:20	to to adopt in general throughout the
1843 63:22	world
1844 63:23	um
1845 63:25	washing your hands is
1846 63:26	also good well that's the speculation
1847 63:28	why men get it more than women because
1848 63:30	men are disgusting and we don't watch
1849 63:31	that disgusting it's true it's true yeah
1850 63:34	we're all my men in this room we're all
1851 63:36	gross yeah let's go to the restroom you
1852 63:37	can see us yes we're gross my daughter
1853 63:39	my nine-year-old daughter yells at me
1854 63:41	she goes did you wash your hands she
1855 63:43	makes me go back and wash my hands hmm
1856 63:45	she's right
1857 63:46	nine years old if i had a nine-year-old
1858 63:48	boy do you think he would care i
1859 63:49	wouldn't give a [__] if i wash my hands
1860 63:52	true
1861 63:53	um
1862 63:54	so yeah i think that there's definitely
1863 63:56	some silver linings here
1864 63:58	than in improved uh
1865 63:59	you know uh hygiene yeah and an
1866 64:02	awareness of potential yes and i think
1867 64:04	this has shaken up the the system uh
1868 64:07	system is like somewhat more bond with
1869 64:09	la la's layers of bureaucracy and i
1870 64:12	think that we've cut through some of
1871 64:13	that bureaucracy
1872 64:14	uh and
1873 64:16	if we you know at some point there
1874 64:17	probably will be a
1875 64:19	uh
1876 64:21	pandemic with with a with a high

timestamp	text
1877 64:23	mortality rate uh
1878 64:26	debate about like what's high but i mean
1879 64:28	like someone that's killing a lot of 20
1880 64:30	year olds let's say like it's
1881 64:32	yeah if you had like ebola type of
1882 64:34	mortality spanish flu something that uh
1883 64:36	tax immune systems of healthy people
1884 64:38	yeah yeah um yeah but it's a
1885 64:42	yeah like like killing large numbers of
1886 64:45	young healthy people that that's
1887 64:47	you know
1888 64:48	define that as like uh
1889 64:50	uh
1890 64:52	high mortality then that this is at
1891 64:54	least practice for something like that
1892 64:56	um and i think there's
1893 64:58	this you know
1894 64:59	given it's just a matter of time that
1895 65:01	there will be eventually some
1896 65:03	some such pandemic
1897 65:05	do you think that in a sense the one
1898 65:08	good thing that we might get out of this
1899 65:09	is the realization that this is a
1900 65:10	potential reality that we we got lucky
1901 65:13	in this sense i mean in people that
1902 65:15	didn't get lucky and died of course i'm
1903 65:17	not disrespecting their death and their
1904 65:19	loss but i'm saying overall as a as a
1905 65:21	culture as a community as a human race
1906 65:23	as a community
1907 65:24	this is not as bad as it could have been
1908 65:26	this is a good dry run for us to
1909 65:28	appreciate
1910 65:30	that we need far more resources
1911 65:33	dedicated towards the the understanding
1912 65:37	these diseases
1913 65:38	what to do in the case of pandemic and
1914 65:40	much more
1915 65:42	money that goes to funding
1916 65:44	treatments and and some preventative
1917 65:46	measures

timestamp	text
1918 65:48	yeah absolutely um
1919 65:50	and i think i think there's a
1920 65:52	good chance it's highly likely i think
1921 65:54	coming out of this that
1922 65:56	we will develop uh vaccines that we
1923 65:59	didn't have before
1924 66:01	uh for uh
1925 66:03	quran viruses and other other viruses um
1926 66:06	and and possibly cures uh for for these
1927 66:09	and our understanding of
1928 66:11	uh viruses of this nature has improved
1929 66:13	dramatically because of the attention
1930 66:15	that it's received
1931 66:17	so
1932 66:18	there's definitely some you know a lot
1933 66:20	of silver linings here um
1934 66:23	and potentially if we act correctly
1935 66:26	yeah yeah yeah there's uh i think
1936 66:29	there will be some amounts of lighting
1937 66:31	here no matter what um hopefully it can
1938 66:33	be more professive lighting than less
1939 66:35	yeah
1940 66:36	um
1941 66:38	so yeah this is this is uh
1942 66:41	it's like kind of like a practice run
1943 66:42	for something that had that that had a
1944 66:45	potential that might in the future have
1945 66:46	a serious uh like a really high
1946 66:49	mortality rate that
1947 66:50	and we
1948 66:52	kind of got to go through this with
1949 66:54	without without it being something that
1950 66:56	kills you know vast numbers of
1951 66:58	young healthy people
1952 66:59	yeah
1953 67:00	when you made a series of tweets
1954 67:03	recently uh you know uh i don't remember
1955 67:05	the exact wording but essentially you
1956 67:06	were saying free america now like let's
1957 67:09	think about that is it thank you
1958 67:11	but uh the the you know what was the

timestamp	text
1959 67:14	how much do you pay attention to the
1960 67:16	response to that stuff and what was the
1961 67:18	response like
1962 67:19	did anybody go hey elon what the [__]
1963 67:21	you doing did anybody pull you aside
1964 67:24	who does that who gets to do that to you
1965 67:28	well i mean i certainly get that there's
1966 67:30	no shortage of negative feedback on
1967 67:32	twitter you know oh yeah twitter
1968 67:35	yeah but i don't read that do you read
1969 67:37	it warzone you do sometimes though right
1970 67:39	you do read it yeah i mean
1971 67:41	scroll through the comments like as a
1972 67:43	meme warzone
1973 67:45	yeah i mean people knife you're good
1974 67:48	it's something i i enjoy about
1975 67:51	that just the
1976 67:53	there's a
1977 67:55	something about the
1978 67:58	the freedom of expression that comes
1979 68:00	from all these people that do attack you
1980 68:03	it's like well they if there was no
1981 68:05	vulnerability whatsoever they wouldn't
1982 68:07	attack you and
1983 68:08	it's like there's something about these
1984 68:12	millions and millions of perspectives
1985 68:15	that you you have to
1986 68:17	you have to appreciate
1987 68:19	even if it comes your way even if the
1988 68:21	[__] storm hits you in the face sure you
1989 68:23	gotta appreciate wow how amazing is it
1990 68:26	that all these people do have the
1991 68:27	ability to express themselves
1992 68:29	you don't don't necessarily want to be
1993 68:30	there when the [__] hits you sure you
1994 68:33	might want to get out of the way in
1995 68:34	anticipation of the [__] storm but the
1996 68:36	fact that so many people have the
1997 68:38	ability to reach out and i think it's in
1998 68:40	a lot of ways it's uh i don't wanna say
1999 68:42	a misused resource but it's like giving

timestamp	text
2000 68:46	monkeys guns they just start
2001 68:48	they start gunning down
2002 68:50	things that in front of them without any
2003 68:51	realization of what they're doing they
2004 68:54	have a rock they see a window they throw
2005 68:56	it whoa look at that i got elon madd
2006 68:59	look at that this guy got mad at me this
2007 69:01	this i i [__] took this person down
2008 69:03	on twitter i got this lady fired oh the
2009 69:06	[__] business is going under because
2010 69:08	of twitter wars it seems like there's
2011 69:11	something about it that's this
2012 69:13	newfound
2013 69:14	thing
2014 69:16	that uh i want to say abuse but just i
2015 69:19	want to say that it's almost like you
2016 69:21	know you hit the button and things blow
2017 69:22	up you're like wow
2018 69:24	this is what else can we blow up
2019 69:28	sure
2020 69:28	um
2021 69:31	i mean i've been in the twitter war zone
2022 69:32	for for a while here so put your war
2023 69:34	zone
2024 69:36	you know take it takes a lot to phase me
2025 69:38	at this point yeah that's good too right
2026 69:40	like you develop a thick skin
2027 69:43	yeah you can't take it personally these
2028 69:45	people don't like actually know you you
2029 69:47	know like yeah
2030 69:49	it's just like
2031 69:50	you know so it's like if you're if
2032 69:51	you're fighting a war
2033 69:53	and there's like some opposing soldier
2034 69:55	that that shoots shoots at you it's not
2035 69:58	like they hate you they don't even know
2036 69:59	you right yeah yeah so
2037 70:02	just think of it like that like they're
2038 70:03	firing bullets or whatever um but they
2039 70:06	don't know you so don't take it
2040 70:07	personally there's something interesting

timestamp	text
2041 70:09	about it too it's like uh like when you
2042 70:11	write something in you know 280
2043 70:14	characters and they write something into
2044 70:15	it it's such a crude way
2045 70:17	it's like you know someone's saying
2046 70:19	sending opposing smoke signals that
2047 70:21	refute your smoke signals it's like
2048 70:23	it's so crude
2049 70:26	and especially when you're talking about
2050 70:27	something like neural link he's talking
2051 70:29	about some future potential where you're
2052 70:32	going to be able to express pure
2053 70:33	thoughts that get get conveyed through
2054 70:36	some sort of a universal language with
2055 70:39	no ambiguity whatsoever
2056 70:41	versus
2057 70:43	you know tweets
2058 70:45	well there'll always be some ambiguity
2059 70:46	but yeah
2060 70:47	tweets are
2061 70:49	it's hard um
2062 70:51	like the maybe there should be like a
2063 70:52	sarcasm flag or something you know right
2064 70:54	right um or i'm not you know just
2065 70:57	kidding or whatever you know like don't
2066 70:58	you know it seems like it would take
2067 71:00	away some of the fun from people that
2068 71:02	know it's sarcasm like if everybody knew
2069 71:04	that the onion wasn't real if you sent
2070 71:06	people articles yeah is something about
2071 71:09	someone getting angry at an onion
2072 71:11	article wow that's amazing you know what
2073 71:13	i mean where they don't realize what it
2074 71:15	is there's something fun about that for
2075 71:16	everybody else
2076 71:18	uh yeah
2077 71:19	i know it's pretty great
2078 71:21	it might be the best news source
2079 71:23	do you know who titania mcgrath is
2080 71:26	hilario it's uh andrew boyle he's a uh a
2081 71:30	british fellow a brilliant guy who's

timestamp	text
2082 71:32	been on the podcast before and he has
2083 71:33	this uh fictional character this uh
2084 71:36	pseudonym titania mcgrath who's like
2085 71:38	this all the ultimate social justice
2086 71:40	warrior
2087 71:42	is this like
2088 71:43	like a female avatar
2089 71:45	a female avatar that's actually a
2090 71:47	computer conglomeration of a bunch of
2091 71:49	faces okay it's not really one person so
2092 71:51	one person can't be a victim and be
2093 71:53	angry he's sort of combined these faces
2094 71:55	to make this one perfect social justice
2095 71:57	more okay but the thing like i
2096 71:59	recognized it early on before i met him
2097 72:02	sure that this was parody this is this
2098 72:05	was just fun
2099 72:06	and then i love reading the people that
2100 72:09	don't recognize that they get angry sure
2101 72:12	and then they're really really like
2102 72:14	there's a lot of people that just get
2103 72:16	really furious sure about some of
2104 72:19	some fun to that
2105 72:21	there's some fun to the not picking up
2106 72:24	on the the the true nature of the signal
2107 72:28	i find twitter quite engaging
2108 72:31	how do you have the time
2109 72:33	um well i mean it's like
2110 72:36	five minutes every couple hours type of
2111 72:38	thing it's not like i'm sitting on an
2112 72:40	old day but even five minutes every
2113 72:41	couple hours if those are bad five
2114 72:44	minutes they might be bouncing around
2115 72:45	your head for the next 30.
2116 72:48	yeah you have to
2117 72:50	you know like i said
2118 72:52	take a certain amount of
2119 72:53	distance from you read this and you're
2120 72:54	like okay it's bullets being fired by an
2121 72:57	opposing army
2122 72:59	you know don't like it

timestamp	text
2123 73:00	it's not like they they like so it's not
2124 73:02	like they know you it's like
2125 73:04	don't take it personally um did you feel
2126 73:06	the same way when when cnn
2127 73:08	had that stupid [__] about ventilators
2128 73:10	with you
2129 73:11	i i found that
2130 73:12	both confusing and the the the
2131 73:15	yeah that was annoying it was annoying
2132 73:18	but what is also annoying as a person
2133 73:19	who reads
2134 73:21	cnn and wants to think of them as a
2135 73:23	responsible conveyor of the facts
2136 73:26	i would like to think that
2137 73:28	yeah
2138 73:30	i don't think cnn is that i think he
2139 73:32	used to be he used to be yeah
2140 73:34	um like what do you think's the the best
2141 73:36	source of just like information out
2142 73:38	there that's a good question you know
2143 73:39	like
2144 73:40	let's say you're just like
2145 73:42	average citizen trying to just get the
2146 73:44	facts you know figure out what's going
2147 73:46	on like you know how to
2148 73:48	live your life and
2149 73:50	you know just looking for
2150 73:51	what what's going on in the world that
2151 73:53	it's hard to find something that that
2152 73:55	isn't
2153 73:57	you know
2154 73:59	that's that that's good yeah you know uh
2155 74:02	that you know not not trying to push
2156 74:04	some partisan angle not trying to not
2157 74:07	not sort of doing sloppy reporting and
2158 74:09	and just aiming for the most number of
2159 74:11	clicks and trying to maximize ad dollars
2160 74:13	and that kind of thing yeah
2161 74:15	you're just trying to figure out what's
2162 74:16	going on it's like
2163 74:17	i'm hard pressed

timestamp	text
2164 74:20	where do you go i don't know i don't
2165 74:22	think there's any pure form
2166 74:24	my favorite
2167 74:26	places are the new york times and the la
2168 74:28	times and i don't trust them 100 percent
2169 74:31	you know because also there's
2170 74:33	individuals that are writing these
2171 74:35	stories
2172 74:36	exactly and that's seems to be the
2173 74:37	problems these individual biases and
2174 74:39	these individual
2175 74:41	there's
2176 74:42	purposely distorted perceptions and then
2177 74:44	there's ignorantly
2178 74:46	reported facts and there's so many
2179 74:49	variables and you got to put everything
2180 74:51	through this filter of where is this
2181 74:53	person coming from do they have
2182 74:54	political biases do they have social
2183 74:56	biases do they are they
2184 74:59	are they upset because of their own
2185 75:00	shortcomings and they are they
2186 75:02	projecting this into the story sure it's
2187 75:04	so hard
2188 75:06	yeah i think like maybe just trying to
2189 75:07	find individual reporters that you think
2190 75:09	are good and yeah kind of falling down
2191 75:11	as opposed to the publication i go with
2192 75:13	whatever matt taibbi says
2193 75:15	okay i trust him more than anybody all
2194 75:17	right
2195 75:18	matt taib he's onto something i just
2196 75:20	he's as far as investigative reporters
2197 75:22	in particular the way he reported the
2198 75:24	savings and loan crisis the way he
2199 75:26	reports everything i just i just listen
2200 75:28	to him above
2201 75:30	most
2202 75:31	above mo he's my go-to guy all right
2203 75:33	i'll check it out uh it's rolling
2204 75:35	stone's articles or his stuff on the

timestamp	text
2205 75:36	savings alone crisis just like what in
2206 75:38	the [__]
2207 75:39	and you know and he wasn't you know he's
2208 75:41	not an economist by any stretch of the
2209 75:42	imagination so he had to really sort of
2210 75:44	deeply embed himself in that world to
2211 75:46	try to understand it and to be able to
2212 75:48	report on it
2213 75:50	and was also with a humorous flair
2214 75:52	for now that's nice yeah um
2215 75:56	yeah
2216 75:57	but it's not that many of them there's
2217 76:00	it's hard and not a location where like
2218 76:03	we are no [__] that's right you know
2219 76:05	we are no bullshit.com like the one
2220 76:07	place where you can say this is what we
2221 76:10	know this is what we don't know this is
2222 76:11	what we think not
2223 76:13	this person's wrong and here's why like
2224 76:15	oh
2225 76:16	god damn it you know i can't you you
2226 76:19	don't know there's a lot of stuff that
2227 76:21	is open to interpretation
2228 76:23	yeah
2229 76:24	this this particular coronavirus issue
2230 76:26	that we're dealing with right now seems
2231 76:27	to be a great
2232 76:30	illuminator of that very fact is that
2233 76:33	there's so much
2234 76:34	data and there's this so there's so much
2235 76:37	that's open to interpret there's so many
2236 76:38	thing because it's all happening in real
2237 76:40	time right and like particularly right
2238 76:42	now in california we're in stage two
2239 76:45	tomorrow or friday two days from now
2240 76:47	stage two retail stores opening up
2241 76:49	things are changing like when no one
2242 76:51	knows the correct
2243 76:54	process that needs to take place to save
2244 76:56	the most amount of lives but yet ensure
2245 76:59	that our

timestamp	text
2246 77:00	our culture and that our
2247 77:02	our our economy survives
2248 77:05	it's a lot of speculation and guessing
2249 77:07	but if you go to certain places they'll
2250 77:09	tell you we know why and we know this
2251 77:12	and we know uh
2252 77:13	it's hard
2253 77:15	yeah i mean
2254 77:17	i
2255 77:18	in general i think that's like we should
2256 77:20	be concerned about
2257 77:22	um anything that's a massive
2258 77:23	infringement on our civil civil
2259 77:25	liberties yes you know so it's like
2260 77:28	you got to put a lot of weight on that
2261 77:30	um
2262 77:31	you know people
2263 77:32	a lot of people died to
2264 77:33	you know win independence with the
2265 77:35	country and and fight for the democracy
2266 77:37	that we have and uh
2267 77:40	you know we should treasure that and not
2268 77:42	and not give up our liberties too easily
2269 77:44	i think we've we
2270 77:45	i mean i think we probably did that
2271 77:47	actually
2272 77:48	well i like what you said when you said
2273 77:50	that it should be a choice
2274 77:52	and that
2275 77:54	to require people to stay home require
2276 77:57	people to not go to work require and to
2277 78:00	to arrest people for trying to make a
2278 78:03	living this all seems wrong and i think
2279 78:05	it's a wrong approach it's a it's uh
2280 78:08	you're you're
2281 78:09	it's an infantilization
2282 78:11	of the society
2283 78:13	that daddy's going to tell you what to
2284 78:14	do fundamentally a violation of the
2285 78:16	constitution yeah freedom of assembly
2286 78:18	and you know it's just

timestamp	text
2287 78:21	i mean i don't think these things stand
2288 78:22	up in court really they're arresting
2289 78:24	people for protesting yeah yeah because
2290 78:27	they're protesting and violating social
2291 78:29	distancing and these mandates that tell
2292 78:31	people that they have to stay home
2293 78:33	yeah these these are these would
2294 78:34	definitely not stand up uh you know if
2295 78:37	the
2296 78:38	supreme court here i mean it's obviously
2297 78:40	a complete violation right yeah yeah and
2298 78:42	again this is not
2299 78:43	in any way um disrespecting the people
2300 78:46	who have died from this disease that's
2301 78:48	certainly a real thing to think of
2302 78:50	yeah i mean it it it just should be if
2303 78:53	if you're if you're at risk you should
2304 78:55	not be compelled to leave your house
2305 78:57	right um or leave a place of safety but
2306 78:59	you should also not be
2307 79:00	uh if you're not at risk or if you are
2308 79:03	at risk and you wish to take a risk with
2309 79:05	your life you should have the right to
2310 79:06	do that and it seems like at this point
2311 79:09	in time particularly
2312 79:10	our resources would be best served
2313 79:13	protecting the people that are at risk
2314 79:16	versus penalizing the people that are
2315 79:18	not at high risk for living their life
2316 79:20	the way they did particularly having a
2317 79:22	career and and making a living and
2318 79:24	feeding your family
2319 79:26	paying your bills keeping your store
2320 79:27	open keeping your restaurant open
2321 79:30	yes
2322 79:31	i mean there's there's a strong a strong
2323 79:33	downside to this yeah
2324 79:35	so
2325 79:37	yeah i just believe like you know if
2326 79:39	this is a free country you should be
2327 79:41	you know a lot allowed to do

timestamp	text
2328 79:44	you know what you want as long as it
2329 79:45	does not endanger others but that's the
2330 79:47	thing right people this is the argument
2331 79:49	they will bring up like you are
2332 79:50	endangering others you should stay home
2333 79:53	for the people that that
2334 79:55	you even if you're fine even if you know
2335 79:57	you're gonna be okay there's certain
2336 79:58	people that will not be okay because of
2337 80:00	your actions they might get exposed to
2338 80:02	this thing that we don't have a vaccine
2339 80:04	for
2340 80:05	we don't have universally accepted
2341 80:07	treatment for
2342 80:09	and then we need to ca this is there's
2343 80:11	two arguments right the one argument is
2344 80:13	we need to keep going protect the weak
2345 80:15	protect the sick but let's open up the
2346 80:17	economy the other argument is stop
2347 80:20	placing money over human lives
2348 80:22	and let's shelter in place until we come
2349 80:25	up with some sort of a decision and
2350 80:27	let's figure out some way to develop
2351 80:30	some sort of universal income universal
2352 80:32	basic income plan or something like that
2353 80:34	to feed people during the during this
2354 80:36	time
2355 80:38	when we make this transition i think
2356 80:39	there's a
2357 80:41	yeah um
2358 80:43	as i said right
2359 80:45	yeah my opinion is if if somebody wants
2360 80:47	to stay home they should stay home and
2361 80:49	say something doesn't want to stay home
2362 80:50	they should not be compelled to stay
2363 80:51	home
2364 80:52	that's my opinion do you think
2365 80:54	if somebody doesn't like that well
2366 80:56	that's my opinion
2367 80:57	um
2368 80:58	so

timestamp	text
2369 80:59	the now yeah um
2370 81:01	the the this notion though that uh you
2371 81:04	know you can just sort of send checks
2372 81:05	out everybody and and things will be
2373 81:06	fine it's not true obviously um the
2374 81:09	there's some people have this absurd
2375 81:12	like a
2376 81:13	view that the economy is like some magic
2377 81:16	horn of plenty
2378 81:18	like it it just makes stuff
2379 81:21	stuff you know whatever it just there's
2380 81:22	a magic quarter plenty and the goods and
2381 81:25	services they just come from this magic
2382 81:26	corner plenty and then if um like if
2383 81:29	somebody has more stuff than somebody
2384 81:31	else's because they took more from this
2385 81:32	magic corner plenty now let me uh just
2386 81:35	break it to uh
2387 81:37	the fools out there
2388 81:38	if you don't make stuff
2389 81:40	there's no stuff
2390 81:45	yeah
2391 81:45	so
2392 81:47	if you don't make the food if you don't
2393 81:49	process the food you know transport the
2394 81:51	food
2395 81:53	and what the
2396 81:54	whether you know medical treatment
2397 81:57	getting getting your teeth fixed
2398 82:01	there's no stuff
2399 82:04	i become detached from reality
2400 82:09	you can't just
2401 82:10	legislate
2402 82:11	money and solve these things if you
2403 82:13	don't make stuff there is no stuff
2404 82:18	obviously
2405 82:20	we'll run out of the stores
2406 82:22	run out of the you know
2407 82:25	it's the whole the machine just grinds
2408 82:27	to a halt
2409 82:28	but the the initial thought on this

timestamp	text
2410 82:31	virus the real fear was that this was
2411 82:33	going to kill
2412 82:34	hundreds of thousands if not millions of
2413 82:37	people instantaneously
2414 82:39	in this country it was going to do it
2415 82:41	very quickly if we didn't hunker down if
2416 82:43	we didn't shelter in place if we didn't
2417 82:45	quarantine ourselves or lock down
2418 82:48	do you think that the initial thought
2419 82:50	was a good idea based on the perception
2420 82:52	that this was going to be far more
2421 82:54	deadly than it turned out to be
2422 83:00	maybe i think
2423 83:01	briefly briefly briefly
2424 83:05	but uh i think if you know any any kind
2425 83:07	of like sensible examination of what
2426 83:09	happened in china would lead to the
2427 83:10	conclusion that that is obviously not
2428 83:12	going to occur uh this this virus
2429 83:14	originated in wuhan there's like i don't
2430 83:16	know hundred thousand people a day
2431 83:17	leaving on uh so it that that it it uh
2432 83:21	it went everywhere very fast
2433 83:25	through throughout china throughout the
2434 83:26	rest of the world
2435 83:27	um and
2436 83:31	the fatality rate was
2437 83:33	was low don't you think though it's
2438 83:34	difficult to appreciate it's it's it's
2439 83:37	difficult to filter
2440 83:39	what the information is coming out of
2441 83:40	china
2442 83:41	to accurately
2443 83:44	really get a real true representation of
2444 83:46	what happened the the propaganda machine
2445 83:48	is very strong sure what
2446 83:51	the world health organization appears to
2447 83:53	have been complicit
2448 83:55	with a lot of their propaganda
2449 83:57	the thing is that
2450 83:59	american companies have massive

timestamp	text
2451 84:01	supply chains in china like tesla for
2452 84:04	example we have hundreds of suppliers
2453 84:06	like tier one two three four suppliers
2454 84:08	throughout throughout china so
2455 84:11	we know if they are able to make stuff
2456 84:12	or not
2457 84:14	we know if they if they have issues or
2458 84:15	not
2459 84:16	then they they're china is back back at
2460 84:18	full steam
2461 84:20	um and until
2462 84:22	many
2463 84:24	uh pretty much every u.s company has
2464 84:27	some significant number of flies in
2465 84:28	china so you know you know if they're
2466 84:30	able to
2467 84:31	you know
2468 84:33	provide things or not or if there's
2469 84:36	you know
2470 84:38	high mortality rate
2471 84:39	tesla has seven thousand people in china
2472 84:42	so
2473 84:44	zero people died
2474 84:45	um zero
2475 84:48	okay so that that's a real statistic
2476 84:50	that's coming from yeah yeah you know
2477 84:52	those people yeah we literally we're in
2478 84:55	payroll do you think there's a danger of
2479 84:56	this
2480 84:59	same folks are there yeah
2481 85:01	do you think there's a danger of
2482 85:02	politicizing this whereas becomes like
2483 85:04	opening up the country's uh donald
2484 85:06	trump's
2485 85:07	it's his goal it's his and then
2486 85:10	anything he does is sort of uh there's
2487 85:12	there's people that are going to oppose
2488 85:14	it and come up with some reasons why
2489 85:16	he's wrong particularly in this climate
2490 85:17	whereas as we're leading up november
2491 85:20	and you know the the 2020 elections do

timestamp	text
2492 85:23	you think that this is a real danger in
2493 85:25	terms of uh public's perception that
2494 85:27	trump wants to open it up so they
2495 85:29	knee-jerk
2496 85:30	oppose it because they oppose trump
2497 85:34	i i think there has been some
2498 85:36	politician this has been
2499 85:38	politicized
2500 85:40	you know
2501 85:41	in both directions really so it's
2502 85:44	um
2503 85:45	which is
2504 85:47	not great
2505 85:53	yeah but like i said separate apart from
2506 85:54	that i think there's the question of
2507 85:56	like
2508 85:56	you know where do several civil
2509 85:58	liberties fit in this picture you know
2510 86:00	yeah and uh what what what can the
2511 86:02	government make you do what can they
2512 86:04	make you not do and what you know what's
2513 86:06	what's okay right um
2514 86:09	and uh
2515 86:13	yeah i think we went too far
2516 86:15	do you think it's one of those things
2517 86:16	where once
2518 86:18	we've gone in a certain direction it's
2519 86:20	very difficult to make a correction
2520 86:23	make a an adjustment to to realize like
2521 86:25	okay we thought it was one thing it's
2522 86:28	not it's not good but it's not what we
2523 86:30	thought it was going to be it's not what
2524 86:31	we feared so let's let's back up and
2525 86:34	reconsider let's do this publicly and
2526 86:36	say we were acting
2527 86:38	based on the information that we had
2528 86:40	initially that information appears to be
2529 86:42	faulty
2530 86:43	and uh here's how we move forward while
2531 86:46	protecting civil liberties while
2532 86:48	protecting what essentially this country

timestamp	text
2533 86:51	was founded on which is a very agreed
2534 86:54	upon amount of freedom yeah that we
2535 86:55	respect and appreciate
2536 86:58	absolutely
2537 86:59	well i think we're we're rapidly moving
2538 87:00	towards opening up the country um it's
2539 87:03	going to happen extremely fast over the
2540 87:05	next few weeks
2541 87:08	so
2542 87:09	yeah
2543 87:12	something that would be helpful just add
2544 87:14	from an informational level is
2545 87:17	um when reporting uh
2546 87:20	sort of
2547 87:21	covet cases to separate out
2548 87:23	diagnosed with covert versus uh had
2549 87:26	covert like symptoms yes
2550 87:29	because the list of symptoms that could
2551 87:31	be covered at this point is like a mile
2552 87:33	long so it's like a hard to
2553 87:36	if you're ill at all it's like it could
2554 87:37	be covered so
2555 87:39	just just to give people better
2556 87:40	information
2557 87:41	definitely diagnosed with covert or
2558 87:44	had covered like symptoms we're
2559 87:46	conflating those two
2560 87:48	so that one that it looks bigger than it
2561 87:50	is
2562 87:50	then uh if somebody dies is
2563 87:53	was covert a a primary cause
2564 87:56	of the death or not
2565 87:58	uh i mean if i mean if somebody has kova
2566 88:01	gets eaten by a shark
2567 88:03	we find their arm their arm has covered
2568 88:07	it's gonna get recorded as a cover death
2569 88:09	is that real
2570 88:11	basically not that bad but heart attacks
2571 88:14	strokes you get hit by a bug cancer
2572 88:17	if you if you get hit by a bus
2573 88:18	go to the go to the hospital and die and

timestamp	text
2574 88:21	then find that you have covered you will
2575 88:23	be recorded as a cover death why would
2576 88:24	they do that though
2577 88:27	well right now the so
2578 88:30	you know the road is hell is the rotel
2579 88:32	is paid with good intentions i mean he's
2580 88:33	mostly paid with bad intentions but
2581 88:34	there's you know some good intentions
2582 88:36	saving stones in there too
2583 88:38	um
2584 88:39	and the
2585 88:40	the the stimulus bill that was intended
2586 88:42	to help uh
2587 88:44	with the hospitals that were being
2588 88:46	overrun with with with code patients uh
2589 88:48	created an incentive to
2590 88:51	record something as covet that is
2591 88:55	difficult to
2592 88:56	say no to especially if your hospital is
2593 88:58	going bankrupt for lack of other
2594 88:59	patients
2595 89:00	so the hospitals are in a bind right now
2596 89:03	there's a bunch of hospitals are they're
2597 89:05	following doctors as you were mentioning
2598 89:06	they're
2599 89:08	you know they're your is half full
2600 89:09	you're
2601 89:10	it's hard hard to make ends meet
2602 89:12	so now you've got like
2603 89:14	you know if i just check this box i get
2604 89:16	eight thousand dollars
2605 89:17	put on a ventilator for five minutes i
2606 89:19	get thirty nine thousand dollars
2607 89:21	back or or i to fire some doctors so
2608 89:24	what's the what's this this is a tough
2609 89:26	moral quandary
2610 89:27	it's like what you can do
2611 89:32	that's the situation we have
2612 89:33	no
2613 89:36	what what's the way out of this what do
2614 89:38	you think is like if if you had the

timestamp	text
2615 89:40	president's ear or if people wanted to
2616 89:42	just listen to you openly
2617 89:44	what do you think is the way out of this
2618 89:46	so let's let's clear up the data clear
2619 89:48	up the data so
2620 89:50	like i said uh something should be
2621 89:51	required as code but only if it is uh
2622 89:53	somebody has been tested uh
2623 89:55	has received a positive positive cover
2624 89:57	test not if they simply have symptoms
2625 89:59	one of like 100 symptoms and then if
2626 90:03	if it is a cover death it must be
2627 90:05	separated or was this was coveted a
2628 90:06	primary primary reason for death or did
2629 90:08	they also have stage three cancer heart
2630 90:10	disease emphysema
2631 90:12	and got hit by a bus
2632 90:14	and had covered
2633 90:16	yeah i've read all this stuff about that
2634 90:18	about them uh
2635 90:20	diagnosing people as a covet death
2636 90:22	despite other variables this is not a
2637 90:25	this is not a this is not a a
2638 90:28	question this is what is occurring
2639 90:30	and where are you reading this from
2640 90:32	where are you getting this from the
2641 90:34	public health health officials have
2642 90:35	literally said this
2643 90:37	this is not this is not a question mark
2644 90:39	right but this is never this is
2645 90:41	unprecedented right like if someone had
2646 90:43	the flu but also had a heart attack they
2647 90:45	would assume that that person died of a
2648 90:46	heart attack yes yeah so this is
2649 90:49	unprecedented is this because
2650 90:51	this is such a a popular i don't i don't
2651 90:54	want to use that word the wrong way but
2652 90:55	that's what i mean a popular subject
2653 90:59	and financial incentives yes
2654 91:03	and like so this is not some sort of it
2655 91:05	a moral indictment of of sort of

timestamp	text
2656 91:07	hospital administrators it's just
2657 91:09	they're in it they're
2658 91:10	they're in a in a tough
2659 91:13	in a tough spot here
2660 91:14	um they actually don't have enough
2661 91:16	patience
2662 91:17	to
2663 91:18	to pay everyone for it to with without
2664 91:20	following following doctors and and
2665 91:22	firing staff and yeah they're running
2666 91:25	potentially going bankrupt so
2667 91:27	so then they're like okay well the
2668 91:29	stimulus bill says if you know we get
2669 91:31	all this
2670 91:32	you know money if we say
2671 91:35	if if they if it's a cover death i'm
2672 91:37	like okay
2673 91:38	they coughed before they died
2674 91:41	in fact they're not even diagnosed with
2675 91:42	cover they simply if you had weakness a
2676 91:45	cough
2677 91:46	uh shortness of breath but frankly i'm
2678 91:48	not sure how you die without those
2679 91:49	things
2680 91:51	yeah you yeah but there's so many
2681 91:54	different
2682 91:55	things that you could attribute to covet
2683 91:57	too there's so many symptoms
2684 91:59	there's diarrhea headaches dehydration
2685 92:02	yeah cough
2686 92:03	yes but to be clear you you don't even
2687 92:05	need to have gotten a cover diagram
2688 92:09	you simply need to have had one of many
2689 92:12	symptoms
2690 92:13	and then have died for some reason
2691 92:16	and it's
2692 92:17	covered
2693 92:19	so then it makes the death count look
2694 92:21	very high
2695 92:22	and then we're then stuck in a bind
2696 92:24	because it looks like the death count's

timestamp	text
2697 92:25	super high and not going down like it
2698 92:27	should be
2699 92:28	and now
2700 92:30	so then we we should keep whatever
2701 92:32	you know
2702 92:36	keep you know the shelter in place stuff
2703 92:39	there and and keep people in their home
2704 92:40	you know confined people to homes so we
2705 92:43	need to break out of this this we're
2706 92:44	stuck in a loop yeah
2707 92:47	and i think the way to break out of this
2708 92:48	loop is to have clarity of information
2709 92:51	clarity of information will certainly
2710 92:53	help but
2711 92:54	altering perceptions public perception
2712 92:57	from people that are basically in a
2713 92:59	panic there's a lot of essentially
2714 93:01	well
2715 93:02	at least a month ago we're clearly in a
2716 93:05	panic i mean right where you know when
2717 93:07	you look around april 5th
2718 93:09	april 6th people were really freaking
2719 93:11	out but here we are may
2720 93:13	and may people are relaxing a little bit
2721 93:17	yes they're realizing like hey um i
2722 93:19	actually know a couple of people that
2723 93:20	got it it was just a cough and i know
2724 93:22	some people that got it where nothing
2725 93:23	happened i know a lot of people have got
2726 93:25	it
2727 93:28	i know zero people who died that i mean
2728 93:30	about no yeah a lot of people got it
2729 93:34	yeah it's it's not what we feared
2730 93:36	we feared something much worse yeah
2731 93:38	that's correct so the adjustment's
2732 93:40	difficult to make so you said
2733 93:41	first of all we need real data we need
2734 93:44	just just parse out the data don't don't
2735 93:46	lump it all together no and then if if
2736 93:48	you give if you get people
2737 93:50	just

timestamp	text
2738 93:51	parse out the data better
2739 93:53	clear clearer information
2740 93:55	um
2741 93:56	about uh like i said was this an actual
2742 93:59	code of a diagnosis or was it a or did
2743 94:02	they get the test and the test came back
2744 94:03	positive or do they just have some
2745 94:04	symptoms just parse those two out um and
2746 94:08	then
2747 94:08	parse out just uh if somebody died did
2748 94:11	they die
2749 94:12	did they did they even have a covert test
2750 94:15	or or did they just have one of many
2751 94:17	symptoms like like like how do you die
2752 94:19	without weakness i don't know right it's
2753 94:21	impossible basically yeah it's a good
2754 94:23	point if you're gonna die you're gonna
2755 94:24	have shortness of breath weakness and
2756 94:26	you might cough a little
2757 94:28	um so so was it quantified what was it
2758 94:31	yeah that person did they actually have
2759 94:32	a covert test and and the tests come
2760 94:34	back positive and then um if if they
2761 94:36	died did they uh die where where covert
2762 94:39	was
2763 94:40	um it didn't have to be the main course
2764 94:42	but it was a significant contributor to
2765 94:44	their death or was it not a significant
2766 94:47	contributor to the death
2767 94:49	right it's not as simple as just because
2768 94:52	you had covert covert killed you
2769 94:55	definitely not right yeah yeah i mean
2770 94:58	people die all the time and they have
2771 94:59	like flu and yes you know other colds
2772 95:01	and well we don't say that they died of
2773 95:03	those flu and other colds well that's
2774 95:04	what's so weird absolutely it's so
2775 95:06	popular
2776 95:07	and i use that word in a weird way but
2777 95:09	it's so popular that we've kind of
2778 95:11	forgotten people die pneumonia every day

timestamp	text
2779 95:15	yeah people die of
2780 95:16	the flu didn't take a break oh kovitz
2781 95:19	got this i'm gonna sit this one out i'm
2782 95:21	gonna be on the bench i'm gonna wait
2783 95:23	until kovitz done before i jump back
2784 95:25	into the game of killing people no the
2785 95:27	flu is still here killing people i mean
2786 95:29	ev every year in the world several
2787 95:30	hundred thousand people die directly of
2788 95:32	the flu yeah not not tangentially right
2789 95:36	not every 61 000 in this country last
2790 95:39	year yeah and we're only five percent of
2791 95:41	the world
2792 95:42	and then there's cigarettes so oh man
2793 95:44	cigarettes not cigarettes will really
2794 95:46	kill you that's a weird one right we're
2795 95:48	terrified of this disease that were
2796 95:50	projected it could potentially kill 100
2797 95:53	if not 200 000 americans this year with
2798 95:55	cigarettes kill 500 000 and you don't
2799 95:58	hear a peep out of any politician
2800 96:01	there's no one running for congress is
2801 96:03	trying to ban cigarettes there's no one
2802 96:05	running for senate that wants to put
2803 96:06	some education plan in place it's going
2804 96:08	to stop cigarettes in their tracks
2805 96:11	yeah i mean
2806 96:12	a long time like several years ago i
2807 96:15	mean along with 10 10 years ago i helped
2808 96:17	make a movie cold thank you for smoking
2809 96:19	oh i saw that yeah um
2810 96:24	it it
2811 96:26	yeah
2812 96:27	um
2813 96:31	yeah it's crazy uh
2814 96:34	smoking barbecuing alongside just bad
2815 96:36	news it's not not good you know you're
2816 96:39	turning your lungs into smoke smoked
2817 96:40	beef and not great
2818 96:42	um
2819 96:43	so

timestamp	text
2820 96:44	um yeah
2821 96:46	tylenol by the way also kills a lot of
2822 96:48	people yeah what is the number for
2823 96:50	tylenol over here um i'm not sure the
2824 96:52	exact number but i believe it
2825 96:54	until the opioid crisis i believe
2826 96:56	tylenol was the number one killer of all
2827 96:59	drugs
2828 97:00	um because wow basically it's uh
2829 97:03	if you have if you get drunk and take a
2830 97:05	lot of tylenol
2831 97:06	um acetaminophen essentially it causes
2832 97:09	liver failure
2833 97:11	so sevilla would like get
2834 97:13	get wasted and then like have a headache
2835 97:15	and then pop a tonic tylenol gardens
2836 97:18	whoa yeah curtains is a funny word yeah
2837 97:21	you know so but nobody's like you know
2838 97:24	raging against tylenol
2839 97:26	yeah
2840 97:27	it's weird except acceptable deaths are
2841 97:29	weird and that's the real the slippery
2842 97:31	slope about this uh people shaming
2843 97:33	people for wanting to go back to work
2844 97:36	you know other people are gonna die well
2845 97:37	if you drive do you drive oh well you
2846 97:40	should stop driving because people die
2847 97:42	from driving
2848 97:43	so you know you definitely should fill
2849 97:45	up all the swimming pools because like
2850 97:47	50 people die every day in this country
2851 97:49	from swimming so let's not swim anymore
2852 97:52	yeah what is the
2853 97:53	really dangerous we need to chop down
2854 97:55	all the coconuts
2855 97:57	coconuts kill 150 people every year yes
2856 97:59	cut down all the coconut trees we need
2857 98:00	those people yes it's at a certain point
2858 98:03	in time it's like
2859 98:05	we
2860 98:06	yeah we're vulnerable and we're also

timestamp	text
2861 98:09	we we're also we have a finite existence
2862 98:11	no matter what we do nobody lives
2863 98:13	forever
2864 98:14	right um
2865 98:15	i mean the the the i mean i think you
2866 98:17	want to look at say deaths as like the
2867 98:20	but for this
2868 98:22	uh disease whatever they would have
2869 98:23	lived x number of years yeah you know so
2870 98:26	um
2871 98:27	you know if somebody dies when they're
2872 98:29	they're they're 20 and could live till
2873 98:30	80 they they lost 60 years
2874 98:32	but if somebody dies when they're 80 and
2875 98:34	they might live until 81 they last one
2876 98:36	year yes so it's it's like how many life
2877 98:39	years were lost
2878 98:40	uh is is a probably you know the right
2879 98:43	metric to
2880 98:44	use i don't uh read my own comments but
2881 98:46	i do read other people's comments and i
2882 98:47	was reading this one little twitter beef
2883 98:49	that was going on where someone was
2884 98:51	saying that kovid takes an average of 10
2885 98:54	years off people's lives and we should
2886 98:57	appreciate those 10 years and then
2887 98:59	someone else said that's not true
2888 99:01	i'm sure it's not true yeah definitely
2889 99:02	it's the twitter
2890 99:03	but someone else said
2891 99:05	the average age of people who die from
2892 99:07	covid is older than the average age
2893 99:10	people die
2894 99:12	it's very let's say just say it's like
2895 99:14	it's it's about the same
2896 99:16	that's a beautiful way of looking at it
2897 99:18	i mean it's it's unfortunate it sucks
2898 99:21	but it sucks if grandpa dies of
2899 99:23	alzheimer's or emphysema or leukemia it
2900 99:27	sucks sure it sucks when someone you
2901 99:28	love dies yes

timestamp	text
2902 99:31	but
2903 99:32	i i'm
2904 99:33	i mean actually if if this uh i think a
2905 99:36	lesson to be taken here
2906 99:38	that i think is quite important is that
2907 99:40	if
2908 99:41	um
2909 99:42	if you have you know your great
2910 99:43	grandparents and their their age and
2911 99:45	grandparents really be careful with uh
2912 99:49	with with uh
2913 99:50	you know any kind of flu or cold or
2914 99:53	something that that wouldn't is not
2915 99:55	dangerous to
2916 99:57	kids or young adults but is dangerous
2917 99:59	too to help the elderly is um if
2918 100:01	basically if your kids got a runny nose
2919 100:04	they should stay away from their
2920 100:05	grandparents
2921 100:08	no matter what it is it's it's uh the
2922 100:10	things that are
2923 100:11	where a young immune system is has no
2924 100:14	problem and an older one has has a
2925 100:16	problem yeah and
2926 100:17	um in fact a lot of the a lot of the
2927 100:19	deaths are just are literally it's
2928 100:20	tragic but they're they're intra family
2929 100:23	um it's the the the
2930 100:26	little little kid had it had a you know
2931 100:29	called or flew and give it to grandpa
2932 100:31	yeah yeah they have the family gathering
2933 100:33	and they don't know that this is a big
2934 100:36	deal but it's
2935 100:37	it's just important to remember when you
2936 100:38	get older your immune system is just not
2937 100:40	that strong and uh
2938 100:42	and and so just be be careful with your
2939 100:44	with with your you know
2940 100:46	loved ones or elderly and i think there
2941 100:48	is some
2942 100:50	true objective

timestamp	text
2943 100:52	um understanding of the immune system
2944 100:55	and the ways to boost that immune system
2945 100:57	and i really think that that
2946 101:00	that information should be
2947 101:02	that should be distributed in a way a
2948 101:04	non-judgmental way but like look this is
2949 101:07	this is a way that we can all like this
2950 101:09	is a scientifically proven way that we
2951 101:11	can boost our immune system and it might
2952 101:12	save your life and it might save the
2953 101:14	life of your loved ones and maybe we
2954 101:15	could teach this to our grandparents and
2955 101:18	our parents and and people that are
2956 101:19	vulnerable you know vitamin c heat shock
2957 101:23	proteins all these different variables
2958 101:25	that we know contribute to a stronger
2959 101:27	immune system
2960 101:30	yeah um actually just um
2961 101:33	a thing that that is is is tough uh
2962 101:37	if
2963 101:38	like when you as you get older it's it's
2964 101:41	hard to
2965 101:42	be
2966 101:43	you pretend to put on weight
2967 101:44	you know i certainly that's happening
2968 101:46	with me you know like as the older i get
2969 101:47	i'm like damn it's harder to stay lean
2970 101:50	uh that's for sure
2971 101:51	um
2972 101:52	and and so actually being being
2973 101:54	overweight is is a big deal yeah just uh
2974 101:57	it's a fact uh
2975 101:59	well
2976 102:00	yeah the new york hospital said it was
2977 102:02	the number one factor for severe uh
2978 102:04	kovid symptoms was obesity that was
2979 102:07	number one factor it is that that's yes
2980 102:10	exactly
2981 102:12	but it's also we live in a world where
2982 102:14	people want to be
2983 102:16	sensitive to other people's feelings so

timestamp	text
2984 102:18	yeah absolutely we don't want to
2985 102:20	bring up the fact that
2986 102:22	being fat's bad for you it's a judgment
2987 102:24	on your food's great yeah i do love food
2988 102:28	yeah and i mean i mean to be totally
2989 102:29	frank i mean speaking for myself i'd i'd
2990 102:32	rather eat tasty food and live a shorter
2991 102:34	life
2992 102:35	yeah you know
2993 102:37	yeah those moments of enjoying a great
2994 102:40	meal yeah and then even talking about
2995 102:42	they're valuable they're worth something
2996 102:44	yeah it's not we don't want to eat
2997 102:45	soylent green and live to be 160.
2998 102:50	tasty if it was great one of the best
2999 102:52	things about life it really is yeah it's
3000 102:54	an art form as well it's like
3001 102:56	fine food
3002 102:58	it's a it's a it's a
3003 103:00	it's
3004 103:01	a delicious sand castle it's temporary
3005 103:04	it doesn't last very long but there's
3006 103:06	something about it that's very pleasing
3007 103:08	yeah yeah um
3008 103:11	yeah i mean
3009 103:12	i i don't know what what advice to give
3010 103:14	like um maybe smaller have tasty food
3011 103:17	with smaller amounts of it
3012 103:20	yeah and
3013 103:21	i think
3014 103:22	regulated feeding windows really the way
3015 103:24	to go some sort of an intermittent
3016 103:25	fasting approach sure when i started
3017 103:28	doing that i i
3018 103:29	i i found myself to be quite a bit
3019 103:31	healthier when i've deviated from that
3020 103:33	i've gained weight so how what's what's
3021 103:35	uh 16 hours well 16 hours yeah
3022 103:38	so like at night or yeah yeah yeah so i
3023 103:41	get to a certain point and then i count
3024 103:43	out i usually uh hit the stopwatch on my

timestamp	text
3025 103:46	phone and then i look at uh 15 hours and
3026 103:50	i'm like okay got an hour before i can
3027 103:51	eat yeah and so
3028 103:53	anything in between that is just water
3029 103:55	or coffee
3030 103:56	actually you know like um
3031 103:58	this may be a useful bit of advice for
3032 104:00	for people but uh eating before you go
3033 104:02	to bed is a real bad idea and actually
3034 104:05	negatively affects your sleep yeah um
3035 104:07	and it can actually cause uh it
3036 104:09	heartburn that you don't even know is
3037 104:10	happening and and that subtle heartburn
3038 104:13	uh affects your sleep because you're
3039 104:15	you're horizontal and your body's
3040 104:17	digesting
3041 104:19	so if you want to improve the quality of
3042 104:20	your sleep um and and um
3043 104:23	you know uh you know
3044 104:25	be healthier uh it's it's do not eat
3045 104:28	right before we go to sleep yeah it's
3046 104:29	like one of the worst things you could
3047 104:30	do i had some of the biggest mistakes
3048 104:32	i've ever met i've i've done that uh
3049 104:34	particularly after comedy shows i'm
3050 104:35	starving i'll come home and i'll eat and
3051 104:38	then i go to bed and i just feel like
3052 104:40	[__] and i wake up in the middle of the
3053 104:41	night it's gonna it's gonna crush your
3054 104:43	sleep and it's gonna it's gonna damage
3055 104:45	your
3056 104:46	uh pilot your pyloric sphincter and your
3057 104:48	esophagus and it's it's it's so
3058 104:50	in fact
3059 104:51	drinking and then going to sleep is
3060 104:53	that's one of the worst things you could
3061 104:54	yes um
3062 104:56	so
3063 104:57	uh just
3064 104:59	try to avoid drinking and and
3065 105:05	you know

timestamp	text
3066 105:06	um
3067 105:08	small amounts of alcohol that
3068 105:10	evidence suggests it's not it doesn't
3069 105:12	have a
3070 105:14	negative effect i put in the same
3071 105:15	category as delicious food it kind of
3072 105:17	makes things a little more fun
3073 105:19	yeah yeah i like it i mean some of the
3074 105:21	people some of the people who have left
3075 105:22	the longest you know um there's a woman
3076 105:24	in france who i think
3077 105:26	maybe has the record or close to it and
3078 105:28	she had a glass of wine every day every
3079 105:30	day you know yeah
3080 105:31	small small amounts is fine um
3081 105:34	but um
3082 105:36	yeah this is like a i i learned this
3083 105:38	like quite late in life it's like just
3084 105:39	avoid having alcohol and avoid eating
3085 105:43	at least two or three hours before going
3086 105:44	to sleep and your quality of life will
3087 105:46	your quality of sleep will improve and
3088 105:48	your general health will improve a lot
3089 105:51	for sure this is a it's a big deal and i
3090 105:53	think not widely not widely known do you
3091 105:55	have time to
3092 105:56	exercise um
3093 105:58	a little bit
3094 106:00	um do you train or anything
3095 106:02	um i do although i haven't seen
3096 106:05	for a while but
3097 106:07	um
3098 106:08	yeah especially yeah from out like uh
3099 106:12	you know say we're working on starship
3100 106:14	or something in south texas and i'm just
3101 106:16	living in my i got a little
3102 106:18	little house there in bukuchika village
3103 106:20	um
3104 106:21	and i don't have much to do so
3105 106:24	we're like i'm working and i was like
3106 106:25	dude just lift some weights or something

timestamp	text
3107 106:27	you know um
3108 106:29	maybe uh i i i
3109 106:31	like i don't some people love running i
3110 106:33	don't love running
3111 106:34	um but what do you like to do exercise
3112 106:36	wise
3113 106:37	um
3114 106:39	too totally frank i wouldn't exercise at
3115 106:41	all if i could but if i
3116 106:44	i'd prefer not to exercise but if i'm
3117 106:46	going to exercise and you know lift some
3118 106:47	weights and
3119 106:49	um
3120 106:50	and then
3121 106:51	kind of run on the treadmill and maybe
3122 106:53	watch a show that you know if there's a
3123 106:55	compelling show that like pulls you in
3124 106:57	right right right yeah that's a good
3125 106:59	thing to do yeah watch a good movie or
3126 107:01	yeah yeah episode of black mirror or
3127 107:03	something like that that's great man
3128 107:04	don't watch black mirror before going to
3129 107:06	bed either well don't watch black mirror
3130 107:07	today
3131 107:08	it's too [__] accurate yeah exactly
3132 107:10	it's like wait this already happened in
3133 107:12	real life
3134 107:13	yeah they're too close it's too close
3135 107:15	well even didn't jamie did you say that
3136 107:17	the the guy who makes black mirror
3137 107:20	mics off uh yeah yeah he said he it's
3138 107:23	not a good time to start season six yeah
3139 107:25	he wants to hold off because
3140 107:27	reality he's nailed it is black mirror
3141 107:29	oh man it's like he's gonna have to like
3142 107:31	re reassess
3143 107:33	and and attack it from a different angle
3144 107:35	yeah
3145 107:36	you should try something that's fun to
3146 107:38	do that's not just like
3147 107:41	like learn a martial art or something

timestamp	text
3148 107:42	like that i did martial arts when i was
3149 107:44	kid like did you would you um
3150 107:47	i did
3151 107:49	taekwondo i did karate uh kaika shrinkai
3152 107:52	all right cool and um
3153 107:54	judo um
3154 107:56	also you you really branched out yeah um
3155 108:01	so
3156 108:02	um
3157 108:05	and did brazilian jiu jitsu briefly did
3158 108:07	you yeah where i made in palo alto
3159 108:09	really yeah oh no [_] i was gonna
3160 108:12	suggest that that's a great thing for
3161 108:14	people like that's a thing about jiu
3162 108:16	jitsu if you look at it from the outside
3163 108:19	you think oh a bunch of meat heads
3164 108:21	strangling each other sure but they're
3165 108:22	some of the smartest people i know or
3166 108:24	jiu jitsu fiends because they they get
3167 108:27	they first of all they get introduced to
3168 108:29	it because usually either they want to
3169 108:31	exercise or learn some self-defense but
3170 108:33	then they realize that it's essentially
3171 108:35	like a language
3172 108:37	with your body like you're having an
3173 108:39	argument with someone with some sort of
3174 108:41	a physical language
3175 108:43	and it's really complex and the more
3176 108:45	access to vocabulary and the sharper
3177 108:48	your words are sure the the more you'll
3178 108:51	succeed in these ventures that's really
3179 108:54	also an accurate analogy of what jiu
3180 108:56	jitsu is yeah i mean i kind of i mean
3181 108:59	probably like a lot of people uh for the
3182 109:01	the way uh early day uh the first mma
3183 109:04	fight and joyce gracie and he was like
3184 109:06	incredible and it was like just like
3185 109:08	technique yeah yeah it was like you know
3186 109:11	winning against people way bigger and
3187 109:13	that kind of thing it's just like oh
3188 109:14	this is cool it was what martial arts

timestamp	text
3189 109:16	were supposed to be when we were as we
3190 109:17	were kids yeah when you saw bruce lee
3191 109:19	[__] up all these big giant guys like
3192 109:21	wow martial arts allow you to beat
3193 109:24	someone far bigger and stronger than you
3194 109:25	right
3195 109:27	most of the time that's not real
3196 109:29	especially if they know martial arts too
3197 109:32	it's like oh no yes but in the ufc when
3198 109:35	hoist gracie
3199 109:36	off of his back was strangling dan
3200 109:39	severin with his legs he was like holy
3201 109:41	[__] yeah this guy's being pinned by
3202 109:43	this big giant wrestler and he wraps his
3203 109:46	legs around his neck and chokes him to
3204 109:48	the point the guy has to surrender yeah
3205 109:49	amazing yeah it was amazing
3206 109:52	i mean horse got beaten up pretty bad in
3207 109:54	some of those he did well he definitely
3208 109:56	had some rough fights but he won he won
3209 109:58	yeah
3210 109:59	he's a legend and but what it showed in
3211 110:02	i mean i'm a huge lover of jiu jitsu
3212 110:04	what it showed is that there is a method
3213 110:07	for uh
3214 110:08	for
3215 110:09	diffusing these situations with
3216 110:11	technique and and knowledge yeah and i
3217 110:14	think it's also a great way to exercise
3218 110:16	too because it's almost like the
3219 110:17	exercise is secondary to the learning of
3220 110:20	the thing the the exercises like you
3221 110:22	want like and you want to develop
3222 110:24	strength and conditioning just so that
3223 110:25	you could be better at doing the thing
3224 110:27	and the analogy that i use is like if
3225 110:29	you imagine if you had a race car
3226 110:31	and you could actually give the race car
3227 110:34	better handling and more horsepower just
3228 110:36	from your own focus and effort sure
3229 110:38	that's really what it's like yeah

timestamp	text
3230 110:40	totally yeah
3231 110:42	when am i going to have my my kids i
3232 110:44	should say i sent my kids to
3233 110:46	uh jiu jitsu uh since they were like i
3234 110:48	don't know six oh really yeah oh that's
3235 110:51	awesome yeah
3236 110:53	it's it's a great thing to learn it
3237 110:54	really is seems like a good yes yeah
3238 110:57	maybe something like i mean even if you
3239 110:59	just have someone who hits that holds
3240 111:00	the pads for you like you get a workout
3241 111:02	in and to be fun
3242 111:05	um when am i going to be able to buy one
3243 111:06	of them roadsters when's that happening
3244 111:09	well i can't you know
3245 111:12	say exactly when but uh
3246 111:16	we got to get
3247 111:17	you know
3248 111:18	those this cover thing's kind of
3249 111:20	throwing us for a loop i'm sure um so
3250 111:24	um
3251 111:25	not to blame everything in the code but
3252 111:28	um
3253 111:29	it's you know
3254 111:30	certainly set us back on on progress for
3255 111:33	you know some number of months um
3256 111:36	the i mean things we've got to get get
3257 111:38	done
3258 111:39	uh ahead of roadster are um
3259 111:42	you know ramping up model y production
3260 111:44	um that'll be a great great car it is a
3261 111:47	great car
3262 111:49	getting the
3263 111:50	berlin gigafactory built
3264 111:54	and and
3265 111:55	also building y
3266 111:56	getting expanding the shanghai factory
3267 111:58	which is going great
3268 112:01	and um
3269 112:03	get the you know there's a cyber truck
3270 112:05	semi truck roadster

timestamp	text
3271 112:08	um
3272 112:09	roaster is kind of like dessert
3273 112:11	so
3274 112:12	like we we gotta get the
3275 112:14	you know eating potatoes and greens and
3276 112:16	stuff
3277 112:17	you know like
3278 112:18	but roaster comes before cyber truck
3279 112:24	i mean i think we should do cyber truck
3280 112:26	first before before road before started
3281 112:29	interesting
3282 112:30	i'm not mad at that some other things
3283 112:32	for roadster uh they're they're you know
3284 112:34	the tri-motor
3285 112:36	uh plaid powertrain we're gonna have
3286 112:38	that in model s
3287 112:40	uh so that's like part one of the
3288 112:42	ingredients that's needed for for
3289 112:43	roadsters the the plaid powertrain the
3290 112:46	more advanced bat you know battery
3291 112:47	vacuum kind of thing i wanted to ask you
3292 112:48	about this before i forgot what there's
3293 112:50	a company that's called apex is taking
3294 112:52	your teslas and
3295 112:54	they're
3296 112:54	giving it a wider base and
3297 112:57	wider tires and a little bit more
3298 112:59	advanced suspension
3299 113:01	sure how do you feel about that are you
3300 113:02	guys do you work with them are you cool
3301 113:04	with those people yeah i mean just i'm
3302 113:06	off yeah go ahead they're
3303 113:09	jazzing stuff up with carbon fiber and
3304 113:11	doing a bunch of interior choices
3305 113:13	you're cool with you can't [__] with
3306 113:15	that you don't have time so is it good
3307 113:17	that someone comes along and has a sort
3308 113:18	of specialty operation yeah i got no
3309 113:20	problem that's what it's called right
3310 113:21	it's like jmg is it called apex yeah i
3311 113:24	gotta unplug performance as apex that's

timestamp	text
3312 113:26	right unplug performance yeah yeah you
3313 113:28	could for sure um
3314 113:31	you know lighten the car up and uh
3315 113:33	improve to tire traction and have you
3316 113:35	seen that company's stuff what they do i
3317 113:37	don't know specifically but there's it's
3318 113:39	pretty dope yeah they make a pretty dope
3319 113:41	looking they take model s and they they
3320 113:43	widen it and give it a bunch of carbon
3321 113:45	fiber that's it right there
3322 113:47	that looks pretty nice yeah it does
3323 113:50	now the the plaid
3324 113:52	version of the model s you are you going
3325 113:55	to widen the track and doing a bunch
3326 113:57	do a bunch of different i know you guys
3327 113:58	are testing at the nurburgring can you
3328 114:00	not talk about that well i think we got
3329 114:02	to leave that for
3330 114:04	you know proper sort of product unveil i
3331 114:06	understand yeah i understand um last
3332 114:08	time you were here you convinced me to
3333 114:10	buy a tesla i bought it and it's [__]
3334 114:13	insane oh great glad you like it um
3335 114:15	i don't it's not just pretty fun it's
3336 114:17	like i the way i've described it is it
3337 114:19	makes other cars seem stupid
3338 114:21	they just seem dumb like i love dumb
3339 114:23	things i love dumb cars like i love
3340 114:25	campfires yeah i love campfires i have a
3341 114:29	1993 porsche that's air-cooled sure it's
3342 114:32	like re it's not that fast it's really
3343 114:34	slow compared to the tesla yeah really
3344 114:36	so it's really quite slow yeah but
3345 114:38	there's something
3346 114:39	engaging about the mechanical
3347 114:42	this is like the the gears and it's very
3348 114:45	it's very analog but it's so stupid in
3349 114:48	comparison to the tesla like when i want
3350 114:49	to go somewhere in the model s i hit the
3351 114:51	gas and just goes
3352 114:53	yeah it just it like violates time

timestamp	text
3353 114:57	yeah yeah um
3354 114:59	yeah you've tried it like ludicrous plus
3355 115:01	and stuff yeah yeah cool
3356 115:03	oh yeah we did just did a software
3357 115:05	update where it'll do it like a cheetah
3358 115:07	stance so uh yeah so it's it because
3359 115:10	it's got a
3360 115:11	dynamic air suspension so it lowers the
3361 115:12	back oh jesus
3362 115:14	yeah just like uh like a sprinter
3363 115:16	basically right like what do you do if
3364 115:17	you're a sprinter you're going to hunker
3365 115:18	down and then
3366 115:20	uh so
3367 115:21	i shaved like a 10th of a second off
3368 115:23	zero six i mean like you know
3369 115:25	it is pretty fun it's so i've taken so
3370 115:28	many people and i'm like i take them for
3371 115:30	the holy [__] moment i'm like you ready
3372 115:32	like hang on there and then a stomp on
3373 115:33	the gas i've never felt anything like it
3374 115:35	it's confusing
3375 115:37	yeah it really is
3376 115:38	the the instant torque the instant
3377 115:40	torque and just the sheer acceleration
3378 115:43	is baffling it's baffling it's baffling
3379 115:45	they've never felt it no it's faster
3380 115:47	than falling it's crazy it's so fast
3381 115:49	it's a roller coaster yeah and my family
3382 115:52	yells at me when i stomp the gas like um
3383 115:54	i tell my kids i'm like you want to feel
3384 115:55	it you want to feel it like do it do it
3385 115:57	do it my wife's like don't do it
3386 116:01	yeah and even if i just do it on the
3387 116:02	highway for a couple of seconds that's
3388 116:04	pretty exciting yeah it's very it's like
3389 116:05	having a roller coaster on tap you know
3390 116:07	it really is like a roller coaster on
3391 116:09	top yeah without the loopy loops but
3392 116:11	it's the the pinning to your seat it
3393 116:13	seems like you're not supposed to be

timestamp	text
3394 116:15	able to experience that from some sort
3395 116:16	of a can you know a consumer vehicle
3396 116:18	that you can just a regular person could
3397 116:21	buy if you have the money
3398 116:22	it seems too too crazy
3399 116:25	and then the idea of this roadster is a
3400 116:28	half of a second faster than that
3401 116:30	yeah that's madness
3402 116:33	well if that roads with a roadster we're
3403 116:34	going to do some things that are kind of
3404 116:35	unfair
3405 116:36	so
3406 116:38	we're going to take some things from
3407 116:39	like
3408 116:40	you know from uh kind of like rock
3409 116:42	rocket world and put them on the car so
3410 116:44	oh i read about that explain that like
3411 116:46	what do you do well like i said we can't
3412 116:48	oh the product unveiled right here but
3413 116:50	but
3414 116:51	it's gonna do some things that aren't
3415 116:52	fair
3416 116:53	and then
3417 116:54	the the when we do the unveil of the
3418 116:57	roadster
3419 116:58	let me just say that anyone who's been
3420 117:00	waiting they won't be sorry
3421 117:03	it's they won't be sorry oh i'm sure
3422 117:05	well anything that goes zero to sixty
3423 117:07	what is it one point nine is that the
3424 117:08	zero 0-60 that's the base model that's
3425 117:10	good
3426 117:12	what's the top of the food chain model
3427 117:14	okay okay
3428 117:16	faster than that let's just say faster
3429 117:18	yeah that seems so crazy to me now what
3430 117:20	was it like when the dude threw the
3431 117:23	steel balls at the window and they were
3432 117:26	supposed to not break and it broke
3433 117:29	well
3434 117:30	yeah i mean i know

timestamp	text
3435 117:32	any circumstances
3436 117:33	are you know you know that our demos are
3437 117:35	authentic
3438 117:36	[Laughter]
3439 117:37	so i was not expecting that and i and
3440 117:39	then i think i muttered under my breath
3441 117:43	you didn't get mad though
3442 117:45	no you didn't steve jobs it
3443 117:48	um
3444 117:49	no i i i definitely swore uh but you
3445 117:52	know i didn't think the mic would pick
3446 117:54	it up but it did um
3447 117:56	and uh
3448 117:57	but so
3449 117:59	like we practiced this
3450 118:01	you know behind the scenes yeah i would
3451 118:03	like it tesla we don't do we don't do
3452 118:05	like tons of practice for for our demos
3453 118:08	because we we work we're working on the
3454 118:10	cars like we you know we're building
3455 118:13	new technologies and and improving the
3456 118:15	the fundamental products so we're not
3457 118:17	spending it like doing like hundreds of
3458 118:19	you know practice things or anything
3459 118:21	like that we don't have time for that um
3460 118:23	but the the
3461 118:25	just hours before the demo um both franz
3462 118:28	uh you know uh is a head of design and
3463 118:31	and i were in the studio throwing steel
3464 118:33	balls at the window and it's bouncing
3465 118:35	right off
3466 118:36	um and like okay this seems pretty good
3467 118:38	seems like we got it okay
3468 118:40	um
3469 118:41	and then we think what happened was that
3470 118:44	um
3471 118:45	when we
3472 118:46	when when franz hit the the
3473 118:48	the door with the sledgehammer
3474 118:50	you know sure like like this is this is
3475 118:52	like yeah yeah yeah exoskeleton

timestamp	text
3476 118:55	you know high strength hardened steel
3477 118:56	you can literally
3478 118:58	take wind up with a sledgehammer you
3479 119:00	know full
3480 119:01	double-handed sledgehammer
3481 119:04	and hit the door and there's not even a
3482 119:05	dent it's cool
3483 119:08	but we think that that cracked the
3484 119:10	corner of the glass
3485 119:12	at the bottom
3486 119:14	and then
3487 119:15	once you crack the corner of the glass
3488 119:17	that you just came over
3489 119:18	so
3490 119:19	uh
3491 119:21	then when you threw the bowl that that's
3492 119:23	what cracked the glass so it didn't go
3493 119:24	through though it didn't go through
3494 119:26	that's true that's true it didn't
3495 119:27	shatter the whole thing like a regular
3496 119:28	window would either which would just
3497 119:30	dissolve yeah right
3498 119:31	so in hindsight the ball should have
3499 119:33	been first sledgehammer second yeah
3500 119:36	yeah you live you learn yeah exactly
3501 119:39	listen man uh we've taken up a lot of
3502 119:41	your time you had a child yeah recently
3503 119:43	it's amazing that you had the time to
3504 119:44	come down here and i really appreciate
3505 119:46	that i appreciate everything you do man
3506 119:48	i i'm i'm glad you're out there and uh i
3507 119:51	really appreciate you coming down here
3508 119:52	and sharing your perspective well i
3509 119:54	think you got a great show thanks for
3510 119:55	having me on thank you my pleasure my
3511 119:57	pleasure elon musk ladies and gentlemen
3512 119:59	good night
3513 120:02	all right that should get a little i
3514 120:03	should get a little play
3515 120:06	that was great