0:0:0.0 --> 0:0:0.430  
Keir Williams  
OK.

0:0:0.480 --> 0:0:1.990  
Keir Williams  
And I might stop you and being annoying.

0:0:2.60 --> 0:0:3.270  
Keir Williams  
So we'll see where we get to.

0:0:2.700 --> 0:0:3.920  
Purui Li  
OK, cool.

0:0:5.790 --> 0:0:14.320  
Purui Li  
So now I think my project focused on the artificial intelligence and then I'm now I'm trying to discover what is the LM LM is.

0:0:14.330 --> 0:0:16.480  
Purui Li  
So which is large language model?

0:0:16.490 --> 0:0:21.820  
Purui Li  
I'm trying to figure out how designer can use language model to support.

0:0:21.830 --> 0:0:32.620  
Purui Li  
They are doing the research and what's the value of design and how can we combine each others strengths and try to create the bigger values than right now?

0:0:32.830 --> 0:0:33.680  
Purui Li  
Yeah, they say.

0:0:32.980 --> 0:0:34.140  
Keir Williams  
OK, that's lots.

0:0:34.200 --> 0:0:34.750  
Keir Williams  
That's good.

0:0:34.820 --> 0:0:35.680  
Keir Williams  
I think you did well there.

0:0:35.980 --> 0:0:36.570  
Keir Williams  
I'm.

0:0:37.160 --> 0:0:38.50  
Keir Williams  
Just let's pick through it.

0:0:38.220 --> 0:0:39.220  
Keir Williams  
So you said.

0:0:39.230 --> 0:0:40.530  
Keir Williams  
Have you got this written down anywhere?

0:0:40.540 --> 0:0:43.610  
Keir Williams  
Have you got this as like a single communicate just so we can get through it?

0:0:44.290 --> 0:0:44.770  
Purui Li  
Picture.

0:0:44.860 --> 0:0:47.920  
Purui Li  
Ohh yeah, I think I have yeah, but now I just lost.

0:0:47.640 --> 0:0:48.550  
Keir Williams  
Just you know it's.

0:0:47.930 --> 0:0:48.900  
Purui Li  
Sorry. Yeah.

0:0:48.820 --> 0:0:49.560  
Keir Williams  
I thought you might.

0:0:49.570 --> 0:0:50.650  
Keir Williams  
It's just how my brain works.

0:0:50.660 --> 0:0:52.850  
Keir Williams  
Otherwise, I'm gonna remember if I said I think.

0:0:51.80 --> 0:0:57.600  
Purui Li  
Yeah, I think the the first question I try to to question is how?

0:0:58.710 --> 0:1:1.860  
Purui Li  
Ohh AI can support designer doing the research.

0:1:1.870 --> 0:1:3.20  
Purui Li  
This is my initial question.

0:1:2.670 --> 0:1:3.340  
Keir Williams  
So what was that?

0:1:3.350 --> 0:1:4.300  
Keir Williams  
And and do we know?

0:1:6.0 --> 0:1:6.330  
Purui Li  
What?

0:1:6.340 --> 0:1:6.680  
Purui Li  
What, what?

0:1:4.310 --> 0:1:8.820  
Keir Williams  
Sorry, I missed that word and say again can support something.

0:1:8.830 --> 0:1:9.290  
Keir Williams  
Research.

0:1:9.300 --> 0:1:10.10  
Keir Williams  
I didn't hear the word.

0:1:9.760 --> 0:1:11.540  
Purui Li  
Support designer doing the research.

0:1:12.560 --> 0:1:12.960  
Purui Li  
Yeah, yeah.

0:1:11.740 --> 0:1:13.630  
Keir Williams  
Ah, so we support design snap.

0:1:13.700 --> 0:1:17.860  
Keir Williams  
What I'd say just I'm gonna be picky here, but let's start with we're gonna start by defining terms.

0:1:17.870 --> 0:1:23.660  
Keir Williams  
This is important because you switch from AI to L so you know that that.

0:1:26.580 --> 0:1:26.840  
Purui Li  
Yeah.

0:1:23.670 --> 0:1:27.290  
Keir Williams  
Suppose you may not know, and I'm not always played from this, there's differences, right?

0:1:27.300 --> 0:1:31.0  
Keir Williams  
There's like artificial intelligence, you know, machine learning.

0:1:31.10 --> 0:1:35.40  
Keir Williams  
There's a bit of a hierarchy, and then we got things like language models, kind of machine learning.

0:1:35.50 --> 0:1:40.150  
Keir Williams  
Now I think part of what your job will would be to do in this proposal is just briefly summarize what that is.

0:1:40.380 --> 0:1:43.710  
Keir Williams  
You've got assume the person that's reading this won't know all that detail.

0:1:44.60 --> 0:1:46.160  
Keir Williams  
So instead of saying I'm gonna work with AI.

0:1:46.170 --> 0:1:48.890  
Keir Williams  
What you might say is what is known?

0:1:48.980 --> 0:1:54.840  
Keir Williams  
You know where popularly is AI actually consists of different levels of machine learning, right?

0:1:54.490 --> 0:1:55.410  
Purui Li  
Yeah, that's right.

0:1:54.850 --> 0:1:57.790  
Keir Williams  
I'm just thinking of what we're doing is telling a story for this proposal.

0:1:57.860 --> 0:2:0.350  
Keir Williams  
This isn't quite the research, and we'll come onto the research.

0:2:0.440 --> 0:2:3.340  
Keir Williams  
So just when you're starting that, so let's go back to that.

0:2:3.350 --> 0:2:5.370  
Keir Williams  
I think that questions quite key, right?

0:2:5.380 --> 0:2:7.190  
Keir Williams  
So say again, I'll write it down.

0:2:8.210 --> 0:2:9.360  
Keir Williams  
That's will transcribe it.

0:2:8.440 --> 0:2:16.230  
Purui Li  
Uh, the question is, how can we use large language model support designer doing the research, yeah.

0:2:16.120 --> 0:2:25.380  
Keir Williams  
So now back then, these are series of questions so that you're gonna have to sort of define in your proposal, and then you're doing research, right?

0:2:25.650 --> 0:2:25.970  
Purui Li  
OK.

0:2:25.390 --> 0:2:27.480  
Keir Williams  
So the first is what is the large language model?

0:2:28.640 --> 0:2:30.10  
Keir Williams  
Why is it large?

0:2:30.20 --> 0:2:32.370  
Keir Williams  
What is the language and why is it model but you know what I mean?

0:2:32.160 --> 0:2:34.270  
Purui Li  
Yeah, uh-huh yeah.

0:2:32.380 --> 0:2:34.990  
Keir Williams  
That's literally what you would do, and it doesn't have to be huge amounts.

0:2:35.0 --> 0:2:38.570  
Keir Williams  
Your job is to go and look at all that stuff and summarize it in a quite useful way.

0:2:38.740 --> 0:2:42.150  
Keir Williams  
Again, possibly using an LM, which would be quite useful actually.

0:2:42.600 --> 0:2:43.630  
Keir Williams  
We'll come on to that, actually.

0:2:43.640 --> 0:2:57.120  
Keir Williams  
I'm gonna say this is a note to myself, so I remember think whilst you're doing this research, if you're using LMS to do the actual writing, the kind of thinking record all that as a diary.

0:2:57.210 --> 0:2:59.520  
Keir Williams  
Make sure you're recording every bit of that into a block.

0:2:59.530 --> 0:3:0.800  
Keir Williams  
I know suggests use your blog.

0:3:1.760 --> 0:3:2.200  
Purui Li  
Yeah, yeah.

0:3:0.850 --> 0:3:2.220  
Keir Williams  
It's easy, right?

0:3:2.360 --> 0:3:12.380  
Keir Williams  
But then what you can do is whilst you're right and say look at the beginning, you might have paragraph said this while I was creating this project and this proposal I used LLNS in this way, right?

0:3:12.510 --> 0:3:16.780  
Keir Williams  
That's just the thing for kind of a meta layer that lets us.

0:3:16.930 --> 0:3:17.140  
Keir Williams  
Yeah.

0:3:17.390 --> 0:3:18.870  
Keir Williams  
I just think it's useful, so you must be.

0:3:19.160 --> 0:3:22.280  
Keir Williams  
So let's go back to that question.

0:3:22.290 --> 0:3:25.180  
Keir Williams  
So what the questions is, what's an LM, right?

0:3:25.190 --> 0:3:26.340  
Keir Williams  
What do you mean by designer?

0:3:26.530 --> 0:3:33.160  
Keir Williams  
Because there's a lot of designers, you know, you just look at the number of courses we offer with the word designing and you can, you know, say, focus.

0:3:33.170 --> 0:3:38.560  
Keir Williams  
We're gonna look at, you know, architectural design, design and interior designers go.

0:3:38.570 --> 0:3:39.840  
Keir Williams  
You know you can pick one.

0:3:39.890 --> 0:3:40.240  
Keir Williams  
Really.

0:3:40.250 --> 0:3:41.320  
Keir Williams  
Which is quite useful.

0:3:40.680 --> 0:3:42.110  
Purui Li  
Yeah, yeah, yeah. I see.

0:3:41.550 --> 0:3:42.340  
Keir Williams  
I'd suggest mate.

0:3:42.350 --> 0:3:42.580  
Keir Williams  
Yeah.

0:3:42.590 --> 0:3:42.870  
Keir Williams  
Sorry, go.

0:3:42.440 --> 0:3:43.130  
Purui Li  
Yeah.

0:3:43.200 --> 0:3:50.200  
Purui Li  
For me it's quite confused about designer, because if we see different other jobs, some is quite simple right?

0:3:50.640 --> 0:3:57.250  
Purui Li  
Like maybe because design the designer we try to submit a lot of times.

0:3:59.860 --> 0:4:1.770  
Keir Williams  
Yeah, but, but.

0:3:57.260 --> 0:4:2.10  
Purui Li  
You saw some very complex problems, so the process is quite complex.

0:4:1.780 --> 0:4:4.800  
Keir Williams  
But we don't always as a so as a service.

0:4:7.50 --> 0:4:7.400  
Purui Li  
Yeah.

0:4:4.810 --> 0:4:8.60  
Keir Williams  
So is this specific for service designers or for design?

0:4:7.430 --> 0:4:8.420  
Purui Li  
Survey designer.

0:4:8.570 --> 0:4:8.970  
Purui Li  
Yeah, yeah.

0:4:8.450 --> 0:4:9.170  
Keir Williams  
Ah, OK.

0:4:9.180 --> 0:4:9.950  
Keir Williams  
That's different, right?

0:4:9.960 --> 0:4:10.500  
Keir Williams  
So we talk.

0:4:10.550 --> 0:4:13.870  
Keir Williams  
So it's how to use LM's to support services designers.

0:4:14.460 --> 0:4:16.450  
Purui Li  
Yeah, I'm not sure we join.

0:4:16.520 --> 0:4:21.780  
Purui Li  
We just need to focus on survey designer or some designer might be more easier to explain.

0:4:21.940 --> 0:4:22.750  
Keir Williams  
Ohh no no, no.

0:4:22.760 --> 0:4:24.250  
Keir Williams  
Service design is nice, right?

0:4:24.340 --> 0:4:31.310  
Keir Williams  
I think because you again, normally I wouldn't say you're surrounded by students are use them because I think it's a bit lame, but actually you are.

0:4:31.320 --> 0:4:32.810  
Keir Williams  
You're surrounded by experts as well.

0:4:32.820 --> 0:4:35.650  
Keir Williams  
Who do service design and you've got contacts through the course.

0:4:35.700 --> 0:4:36.370  
Keir Williams  
It helps you.

0:4:36.380 --> 0:4:38.210  
Keir Williams  
I think it's really nice and easy question.

0:4:38.440 --> 0:4:40.430  
Keir Williams  
It's apparently easy question.

0:4:40.520 --> 0:4:45.770  
Keir Williams  
How do we use the capabilities of LMS or the tools offered?

0:4:45.860 --> 0:4:47.760  
Keir Williams  
Because it's not the LLM doing itself.

0:4:49.60 --> 0:4:49.680  
Purui Li  
Yeah, yeah, yeah.

0:4:47.770 --> 0:4:52.410  
Keir Williams  
We using it in a way who support the work of service design.

0:4:52.420 --> 0:4:55.0  
Keir Williams  
Now that sets another question.

0:4:55.10 --> 0:4:56.330  
Keir Williams  
So still talk about LMS.

0:4:57.320 --> 0:4:59.910  
Keir Williams  
Then we have to look at what do we mean by service design.

0:5:0.140 --> 0:5:2.850  
Keir Williams  
Right now the service design is still huge, right?

0:5:2.860 --> 0:5:5.630  
Keir Williams  
This if you're PhD student, I'd say this was too big.

0:5:5.640 --> 0:5:9.470  
Keir Williams  
So what we can say is, is it part of the prototyping process?

0:5:9.560 --> 0:5:11.660  
Keir Williams  
Is it part of the writing process?

0:5:12.20 --> 0:5:12.220  
Purui Li  
Yeah.

0:5:11.670 --> 0:5:13.130  
Keir Williams  
You know, communicating your ideas.

0:5:13.540 --> 0:5:16.520  
Keir Williams  
So for today I've been building a Persona machine, right?

0:5:16.960 --> 0:5:27.980  
Keir Williams  
So the idea is that it will create a graduate from a new course in three years, and what we'll do is we'll generate a picture their bio, and they're kind of graduate showcase piece right now.

0:5:27.990 --> 0:5:30.720  
Keir Williams  
What you can then do is add the texture itself and change it.

0:5:30.730 --> 0:5:35.390  
Keir Williams  
But what I thought is is as a service designer he he could do it as a really nice little website, right?

0:5:35.770 --> 0:5:44.950  
Keir Williams  
Persona machine cause people use them a lot and you could enter loads of really, really detailed information or just a few things and it will produce you a nice little persona card, right?

0:5:45.30 --> 0:5:48.160  
Keir Williams  
That's just a small example, but I mean for you right?

0:5:48.170 --> 0:5:49.220  
Keir Williams  
What are you interested in?

0:5:49.230 --> 0:5:53.830  
Keir Williams  
Is that there are so service design we could say research process design process?

0:5:54.590 --> 0:5:57.0  
Keir Williams  
Umm, maybe prototyping process?

0:5:57.190 --> 0:5:57.830  
Purui Li  
Yeah, yeah, yeah.

0:5:57.150 --> 0:5:57.900  
Keir Williams  
You know what I mean?

0:5:57.990 --> 0:6:3.580  
Keir Williams  
And then there's maybe like the actual manufacturing, you know moving that on to the clinic, what's the word implementation, right?

0:6:3.680 --> 0:6:4.870  
Keir Williams  
Which bit would you wanna do?

0:6:4.880 --> 0:6:5.860  
Keir Williams  
Because you just got pick.

0:6:5.930 --> 0:6:7.110  
Keir Williams  
Honestly, this is 1 project.

0:6:8.220 --> 0:6:8.450  
Purui Li  
Yeah.

0:6:8.460 --> 0:6:21.130  
Purui Li  
I think for me, I think might be useful if we use it at the at the research stage because when you're doing prototyping me we need materialize, this some stuff so it's.

0:6:20.560 --> 0:6:21.590  
Keir Williams  
Yeah, you too.

0:6:21.660 --> 0:6:24.210  
Keir Williams  
But that doesn't mean you couldn't have something that gives you the idea.

0:6:24.220 --> 0:6:29.800  
Keir Williams  
So one of the nice things, right we prototyping is, I mean I can help with like 3D modelling, prototyping, right?

0:6:29.810 --> 0:6:30.810  
Keir Williams  
That's the thing you can do.

0:6:30.820 --> 0:6:32.430  
Keir Williams  
You can do text or objects right?

0:6:30.200 --> 0:6:32.840  
Purui Li  
3D modeling, yeah.

0:6:32.440 --> 0:6:33.170  
Keir Williams  
You can go.

0:6:33.240 --> 0:6:33.930  
Keir Williams  
I want you to.

0:6:40.410 --> 0:6:40.690  
Purui Li  
Umm.

0:6:33.940 --> 0:6:43.250  
Keir Williams  
I mean, it's still is pretty good now with them you can say I want this, you can do generous stuff loads VLM stuff using that, but I think sorry, I'm just thinking this through.

0:6:44.220 --> 0:6:45.390  
Keir Williams  
So you've got two ends, right?

0:6:45.400 --> 0:6:49.490  
Keir Williams  
You've got that, but then you've also stuff like paper prototyping, right?

0:6:49.500 --> 0:6:51.770  
Keir Williams  
You know, we kind of bits paper out making stuff.

0:6:51.820 --> 0:6:56.670  
Keir Williams  
You could create a really simple API interface that says it doesn't have to be complicated.

0:6:56.820 --> 0:6:58.370  
Keir Williams  
You know, I mean this should be a simple thing.

0:6:58.380 --> 0:7:1.110  
Keir Williams  
It could say here is right you type in.

0:7:1.120 --> 0:7:3.150  
Keir Williams  
I am doing a project with five people.

0:7:3.200 --> 0:7:4.710  
Keir Williams  
I want them to kind of.

0:7:4.940 --> 0:7:7.350  
Keir Williams  
I want to ask these three research questions.

0:7:7.590 --> 0:7:11.230  
Keir Williams  
Can you design me a worksheet that will help me do this?

0:7:11.620 --> 0:7:12.130  
Purui Li  
Ohh yeah.

0:7:11.560 --> 0:7:15.700  
Keir Williams  
Or can you make me a pattern that I can, Iona, produce me a mask.

0:7:15.710 --> 0:7:16.120  
Keir Williams  
Right.

0:7:16.480 --> 0:7:16.800  
Purui Li  
Mm-hmm.

0:7:16.270 --> 0:7:21.500  
Keir Williams  
And The thing is what you do is you'd have a series of prompts behind that that would kind of shape it.

0:7:21.550 --> 0:7:28.110  
Keir Williams  
So it's like I want it for five people their age this age and it will produce you resources that you then do something with.

0:7:28.390 --> 0:7:30.40  
Keir Williams  
I think what you can't do is make it go.

0:7:30.50 --> 0:7:32.100  
Keir Williams  
Here it is is the final product.

0:7:32.110 --> 0:7:35.530  
Keir Williams  
So if we think about the research bar, it could be the research part.

0:7:35.610 --> 0:7:36.520  
Keir Williams  
Could be the making part.

0:7:36.530 --> 0:7:38.90  
Keir Williams  
Suppose what's what's your background?

0:7:39.490 --> 0:7:40.0  
Purui Li  
Let me go.

0:7:40.10 --> 0:7:43.280  
Purui Li  
My background is in danger design, so design products.

0:7:44.460 --> 0:7:45.190  
Purui Li  
Yeah, two years.

0:7:44.190 --> 0:7:49.220  
Keir Williams  
So I wouldn't shy away from that aspect of it, because you're applying that with.

0:7:49.230 --> 0:7:54.890  
Keir Williams  
If you applied, would you say you've applied your industrial design skills within service design this year?

0:8:1.510 --> 0:8:1.840  
Purui Li  
OK.

0:7:56.40 --> 0:8:4.370  
Keir Williams  
OK, So what you could do is take yourself as an example and say I will start by doing nothing and you could do this for the proposal.

0:8:4.480 --> 0:8:6.760  
Keir Williams  
I'm gonna do a little ethnography on myself.

0:8:6.770 --> 0:8:7.220  
Keir Williams  
Right.

0:8:7.260 --> 0:8:11.10  
Keir Williams  
Because the actually let's go back if we've got this question.

0:8:23.520 --> 0:8:23.870  
Purui Li  
Umm.

0:8:26.120 --> 0:8:26.520  
Purui Li  
Yeah, yeah.

0:8:11.80 --> 0:8:26.670  
Keir Williams  
Let's let's make it a bit longer now, how might we use LM's to support service designers in reset in either developing their research or in the research process, or in their, say, their prototype process?

0:8:26.680 --> 0:8:27.0  
Keir Williams  
Right.

0:8:27.380 --> 0:8:28.410  
Keir Williams  
So we've got that far.

0:8:28.420 --> 0:8:33.50  
Keir Williams  
So now the question is, whichever you choose, what is that process you're trying to help?

0:8:34.100 --> 0:8:35.220  
Keir Williams  
Because that's one of your jobs.

0:8:35.230 --> 0:8:42.740  
Keir Williams  
You have to map that so when you're first things will be to say, OK, LM's offered these tools, right?

0:8:42.930 --> 0:8:47.870  
Keir Williams  
These capabilities service design this this aspect of service design.

0:8:47.880 --> 0:8:52.180  
Keir Williams  
I'm looking at this is the process right now?

0:8:52.230 --> 0:8:58.80  
Keir Williams  
If you wanna work out what that process is, you can either look at yourself and talk to people, right?

0:8:58.560 --> 0:9:0.160  
Purui Li  
Yeah, I think it's good way, yeah.

0:8:58.360 --> 0:9:0.680  
Keir Williams  
Let's go and work with, you know, right.

0:9:0.750 --> 0:9:5.820  
Keir Williams  
But the other way is there is lots of literature which will have done this already, right?

0:9:5.700 --> 0:9:6.130  
Purui Li  
All, yeah.

0:9:11.840 --> 0:9:12.20  
Purui Li  
Yeah.

0:9:6.270 --> 0:9:14.30  
Keir Williams  
And we'll say, OK, here is a way of thinking about it because there's there's tons of stuff about practice and how people prototype right now.

0:9:14.40 --> 0:9:19.70  
Keir Williams  
What you could do is then use both of those to kind of come up with your final solution.

0:9:19.80 --> 0:9:20.960  
Keir Williams  
So you've got two sets of data that you're working from.

0:9:26.500 --> 0:9:26.640  
Purui Li  
Yeah.

0:9:32.370 --> 0:9:32.570  
Purui Li  
Yeah.

0:9:21.720 --> 0:9:36.290  
Keir Williams  
The work you do with actual design services designers to kind of find out the second is the kind of the wider literature that tells you about it now, because this is a proposal, I suggest that you need to at least identify the literature and stuff.

0:9:36.300 --> 0:9:37.610  
Keir Williams  
You're gonna look at right.

0:9:37.900 --> 0:9:39.810  
Purui Li  
Yeah, that's yeah, that's what I'm trying to do.

0:9:39.820 --> 0:9:40.110  
Purui Li  
Yeah, yeah.

0:9:37.620 --> 0:9:42.70  
Keir Williams  
Where is this initial stuff and then in the second part is like.

0:9:42.80 --> 0:9:42.880  
Keir Williams  
Then you actually do it.

0:9:42.890 --> 0:9:47.520  
Keir Williams  
You talk to people and you put it together and the other thing is you'll have this data.

0:9:47.530 --> 0:9:54.80  
Keir Williams  
You can use the LM to do to kind of do some of this to the analysis for you, right?

0:9:54.650 --> 0:9:57.640  
Keir Williams  
This you could say there's ways to say and I'll show you something later.

0:9:57.810 --> 0:10:3.420  
Keir Williams  
Here is a 20 papers by academic papers written about methodology.

0:10:3.590 --> 0:10:8.60  
Keir Williams  
OK, about how service design you can is going to find the best papers for this.

0:10:8.150 --> 0:10:11.590  
Keir Williams  
These each describe how service designer prototypes right?

0:10:11.870 --> 0:10:17.440  
Keir Williams  
For example, I want you to give me a summary of that process, OK.

0:10:18.10 --> 0:10:18.190  
Purui Li  
Yeah.

0:10:17.590 --> 0:10:19.630  
Keir Williams  
And then you could say right here are the notes.

0:10:19.640 --> 0:10:23.420  
Keir Williams  
And here's the kind of write up I've done and the themes I've found and how I work.

0:10:23.790 --> 0:10:31.120  
Keir Williams  
Now I want you to compare the two and write me a kind of a set of processes that you will replicate or a tool that I can use.

0:10:31.130 --> 0:10:31.840  
Keir Williams  
Do you see what I mean?

0:10:31.850 --> 0:10:34.340  
Keir Williams  
So you're using it, so I'm talking about.

0:10:34.350 --> 0:10:34.970  
Keir Williams  
Let's just go back.

0:10:35.770 --> 0:10:37.860  
Keir Williams  
I think you've got a really interesting question, right?

0:10:37.870 --> 0:10:40.240  
Keir Williams  
So LM how we support service design.

0:10:40.590 --> 0:10:44.440  
Keir Williams  
I think the thing you need to do is focus on an element of service design.

0:10:45.180 --> 0:10:46.0  
Purui Li  
Element OK.

0:10:44.880 --> 0:10:47.380  
Keir Williams  
You need to map what that process is.

0:10:47.390 --> 0:10:56.920  
Keir Williams  
So think of your processes and, but I would really, really not shy away from what you know because your approach, you know, you're industrial designer, you're a world class Pro industrial designer, right?

0:10:56.930 --> 0:10:58.620  
Keir Williams  
If you're here, you got a degree in it.

0:10:58.750 --> 0:11:1.270  
Keir Williams  
You need to use that, but what?

0:11:1.280 --> 0:11:1.800  
Keir Williams  
We're sorry.

0:11:1.880 --> 0:11:3.560  
Keir Williams  
Sorry, I'm getting off point here a bit.

0:11:3.740 --> 0:11:5.240  
Keir Williams  
And where are we?

0:11:5.330 --> 0:11:5.720  
Keir Williams  
Yeah.

0:11:12.530 --> 0:11:12.910  
Purui Li  
Ohh.

0:11:5.730 --> 0:11:14.140  
Keir Williams  
I think the thing you need to do is focus on that smaller aspect of service like, because then you're gonna map that and honestly, anything you did you'll find is huge.

0:11:16.80 --> 0:11:16.380  
Purui Li  
OK.

0:11:14.470 --> 0:11:16.510  
Keir Williams  
So it's like how do we prototype?

0:11:16.520 --> 0:11:22.760  
Keir Williams  
And you'll be like, Oh my God, how do we even like I know someone doing a PhD just on drawing for appropriate typing?

0:11:23.290 --> 0:11:25.210  
Keir Williams  
That's the PhD is like that process.

0:11:25.230 --> 0:11:29.100  
Keir Williams  
Ada communicate so you think just the pencil on paper, right?

0:11:29.170 --> 0:11:31.900  
Keir Williams  
So could you just find start from?

0:11:31.910 --> 0:11:34.240  
Keir Williams  
Because it's quite hard things to start from your own practice.

0:11:34.670 --> 0:11:35.870  
Keir Williams  
Go back to the stuff you've done.

0:11:37.200 --> 0:11:37.430  
Purui Li  
Umm.

0:11:37.0 --> 0:11:39.730  
Keir Williams  
What just start with when your projects just read through it right?

0:11:39.740 --> 0:11:43.230  
Keir Williams  
And then think which bit could I focus on here just for this project?

0:11:43.520 --> 0:11:44.150  
Purui Li  
Yeah, yeah, yeah.

0:11:44.160 --> 0:11:44.980  
Purui Li  
OK. OK.

0:11:43.320 --> 0:11:49.130  
Keir Williams  
Because, you know, you might have right, the other real important point here is use LM's.

0:11:49.140 --> 0:12:2.890  
Keir Williams  
Right, but document how you're using it all the time, so even if it's just to do a quick grammar spell read, redo the prompt or you found a new kind of interesting script back in the kit, you can add that to your BLOB and then just write a little summary.

0:12:2.900 --> 0:12:7.390  
Keir Williams  
There's even there's a whole, at least in, we'll get into the technical stuff in a minute.

0:12:7.400 --> 0:12:7.680  
Purui Li  
OK.

0:12:7.400 --> 0:12:9.220  
Keir Williams  
Actually, not so more questions.

0:12:11.300 --> 0:12:11.690  
Purui Li  
Yeah.

0:12:9.230 --> 0:12:12.60  
Keir Williams  
Sorry, I just wanted to summarize where you are with some of this is great.

0:12:11.740 --> 0:12:12.290  
Purui Li  
OK, I'm.

0:12:12.300 --> 0:12:14.270  
Purui Li  
I'm just want to clarify.

0:12:14.280 --> 0:12:19.570  
Purui Li  
OK, what I need to do in that few weeks or months, say the first thing I need to do is.

0:12:19.580 --> 0:12:22.950  
Purui Li  
OK, experiment by myself, by my own practice.

0:12:22.960 --> 0:12:23.260  
Purui Li  
Right.

0:12:23.310 --> 0:12:29.310  
Purui Li  
So I test I use language learning model to doing what I was trying to do.

0:12:34.220 --> 0:12:34.360  
Keir Williams  
Yeah.

0:12:29.700 --> 0:12:38.460  
Purui Li  
Can be the research can be my some daily questions this experiment part and also I can yes smart package.

0:12:35.500 --> 0:12:38.610  
Keir Williams  
And it and again it'll be a smaller aspect of that would just be research.

0:12:38.620 --> 0:12:41.70  
Keir Williams  
It will be like how do we create personas?

0:12:44.0 --> 0:12:44.140  
Purui Li  
Yeah.

0:12:41.80 --> 0:12:47.490  
Keir Williams  
How do we, you know, if it's design, how do we create worksheets for, you know, doing cooperative design?

0:12:47.500 --> 0:12:49.940  
Keir Williams  
Just find an aspect you think it's interesting.

0:12:50.340 --> 0:12:50.760  
Purui Li  
Yeah.

0:12:54.910 --> 0:12:55.210  
Keir Williams  
Umm.

0:12:57.180 --> 0:12:57.390  
Keir Williams  
It's.

0:12:50.770 --> 0:12:58.810  
Purui Li  
And then to, I mean it's doing try to find different literature and say what did the previous ideas, I think maybe another thing you can try it.

0:13:3.590 --> 0:13:3.810  
Keir Williams  
Ah.

0:12:59.240 --> 0:13:5.460  
Purui Li  
If I find something interesting, I can maybe share into the other class because other people also doing the research right.

0:13:5.470 --> 0:13:6.910  
Purui Li  
This same scene we can try.

0:13:6.130 --> 0:13:9.90  
Keir Williams  
So right, let's get to that, yeah.

0:13:7.210 --> 0:13:13.200  
Purui Li  
Maybe you can create like a slack channel globe and then we can share each of these parents and then.

0:13:12.560 --> 0:13:14.890  
Keir Williams  
So no, the first thing we're gonna do is I wouldn't.

0:13:19.30 --> 0:13:19.970  
Purui Li  
And now, yeah, yeah.

0:13:14.900 --> 0:13:23.470  
Keir Williams  
If you have you done any stuff with GitHub, used GitHub before, right, you're going to learn because that is the very first thing you need to do before you do.

0:13:23.480 --> 0:13:24.680  
Keir Williams  
I mean, I'm saying this.

0:13:24.720 --> 0:13:26.960  
Keir Williams  
I've only just started coding in about last two years.

0:13:26.970 --> 0:13:27.330  
Keir Williams  
OK.

0:13:27.340 --> 0:13:29.490  
Keir Williams  
But the first thing you need is a GitHub.

0:13:29.500 --> 0:13:31.10  
Keir Williams  
Now GitHub stop me if you know.

0:13:31.20 --> 0:13:33.260  
Keir Williams  
This is basically we can share code.

0:13:33.460 --> 0:13:35.220  
Keir Williams  
It's like you're kind of repository of code.

0:13:36.130 --> 0:13:36.270  
Purui Li  
Yeah.

0:13:35.990 --> 0:13:40.480  
Keir Williams  
What's nice is if you change it, it keeps the versions so it knows where you are.

0:13:40.570 --> 0:13:44.470  
Keir Williams  
If someone else changes it, they can fork it and it'll keep those versions, but you can always go back.

0:13:45.60 --> 0:13:45.560  
Purui Li  
Ohh.

0:13:45.340 --> 0:13:51.560  
Keir Williams  
Now it has a thing called copilot, which I think you can get an educational free copy of that you you do you can actually.

0:13:52.240 --> 0:13:53.390  
Keir Williams  
I'm it.

0:13:53.460 --> 0:13:56.750  
Keir Williams  
It's like an AI coder, so to help you code kind of thing.

0:13:57.180 --> 0:13:57.390  
Purui Li  
Mm-hmm.

0:13:57.400 --> 0:14:1.410  
Keir Williams  
So what I would say is the first one we do is you gonna learn how to use GitHub.

0:14:1.480 --> 0:14:2.250  
Keir Williams  
It's not hard.

0:14:2.380 --> 0:14:3.600  
Keir Williams  
You set up an account.

0:14:3.980 --> 0:14:5.110  
Keir Williams  
You set up a folder.

0:14:5.720 --> 0:14:5.880  
Purui Li  
Yeah.

0:14:5.220 --> 0:14:7.850  
Keir Williams  
There's some tweaks to it, but it's relatively simple.

0:14:8.540 --> 0:14:8.720  
Purui Li  
Yeah.

0:14:17.50 --> 0:14:17.280  
Purui Li  
Umm.

0:14:8.420 --> 0:14:23.140  
Keir Williams  
Do maybe a couple of examples now what I think is we have a GitHub we share, right and within that because you can make folders basically and again you can make folders and files and then you can you can save them to your local you know machine and then you can send them back.

0:14:23.280 --> 0:14:26.270  
Keir Williams  
You make changes, So what would you do is have one that we all share.

0:14:26.460 --> 0:14:26.810  
Keir Williams  
OK.

0:14:26.860 --> 0:14:36.840  
Keir Williams  
But if you set that up and you can do stuff like if someone else has got really interesting repository of code you like, you can fork it and add it to yours so we can have a folder that's got that in.

0:14:35.590 --> 0:14:41.120  
Purui Li  
Ohh OK so it's like like a folder for myself like document documentation.

0:14:39.860 --> 0:14:41.390  
Keir Williams  
It's just totally a folder system.

0:14:41.980 --> 0:14:42.630  
Purui Li  
Yeah, that's nice.

0:14:41.440 --> 0:14:42.950  
Keir Williams  
Yeah, it's just because everyone uses it.

0:14:42.960 --> 0:14:46.490  
Keir Williams  
It makes code really simple to share and it means you can talk to it and stuff.

0:14:46.530 --> 0:14:48.270  
Keir Williams  
I have gotten insane about this stuff.

0:14:48.280 --> 0:14:49.570  
Keir Williams  
I've tried to keep some of it tidy.

0:14:49.660 --> 0:14:50.730  
Keir Williams  
I'm happy to share everything.

0:14:50.740 --> 0:14:51.490  
Keir Williams  
I've got as well.

0:14:51.640 --> 0:14:55.670  
Keir Williams  
There's also some AI really nice AI plugins that kind of tie it up for you.

0:14:56.140 --> 0:15:4.440  
Keir Williams  
Basically I'm so I reckon I'm in terms of working with people, so we talked about you looking at your own practice.

0:15:6.110 --> 0:15:13.300  
Keir Williams  
I mean, I'd say you should be doing this all the time, all the way through, but I think try and do that at the moment to try and get you and get a few other people.

0:15:14.770 --> 0:15:14.950  
Purui Li  
Yeah.

0:15:14.400 --> 0:15:15.730  
Keir Williams  
So it can be really simple.

0:15:15.740 --> 0:15:18.950  
Keir Williams  
Think of a code design thing where you just get, you know, big sheet, right?

0:15:18.960 --> 0:15:19.920  
Keir Williams  
I'm gonna get three of you.

0:15:19.930 --> 0:15:21.210  
Keir Williams  
I'm gonna buy you all lunch.

0:15:21.300 --> 0:15:23.970  
Keir Williams  
You know, I mean, you always have to get food all at least, right.

0:15:24.130 --> 0:15:24.290  
Purui Li  
Yeah.

0:15:23.980 --> 0:15:26.870  
Keir Williams  
All you do something for them and do a big sheet.

0:15:26.880 --> 0:15:36.460  
Keir Williams  
And what I want to do is just talk through some of the projects you've done and particularly and I think by that point you should say, you know, and we're gonna talk about your search process or whatever.

0:15:37.850 --> 0:15:38.600  
Purui Li  
Ah.

0:15:37.340 --> 0:15:39.260  
Keir Williams  
And then once you've looked at your, do you see what I mean?

0:15:39.270 --> 0:15:43.910  
Keir Williams  
You look at yours a little bit, you started to make a bit smaller and then you get them to share theirs, right?

0:15:43.920 --> 0:15:44.610  
Keir Williams  
Really simple.

0:15:44.800 --> 0:15:54.120  
Keir Williams  
Because honestly, it's it will just make you think more when you're doing it, because obviously we wanna document this, but actually doing it is what's gonna make you start thinking.

0:15:55.410 --> 0:15:55.670  
Purui Li  
Mm-hmm.

0:15:54.920 --> 0:15:57.770  
Keir Williams  
The second thing is you just need to be used in the code as much as you can.

0:15:57.960 --> 0:15:58.930  
Keir Williams  
There's loads of no code.

0:15:58.990 --> 0:15:59.970  
Purui Li  
Umm yeah.

0:15:58.940 --> 0:16:4.420  
Keir Williams  
Things you need to be really digging into what's available and ohh God have you seen auto GPT?

0:16:5.470 --> 0:16:6.370  
Purui Li  
Yeah, yeah, I know that.

0:16:6.350 --> 0:16:6.780  
Keir Williams  
Ohh.

0:16:7.150 --> 0:16:9.920  
Keir Williams  
Workout honestly, it's the only thing that's actually scared.

0:16:9.930 --> 0:16:11.200  
Keir Williams  
This living ship asking me.

0:16:12.110 --> 0:16:12.410  
Purui Li  
All right.

0:16:11.270 --> 0:16:14.820  
Keir Williams  
Sorry, excuse my language, it's the thing that scared me more than anything else.

0:16:20.300 --> 0:16:20.880  
Purui Li  
Yeah, I know that.

0:16:14.830 --> 0:16:22.60  
Keir Williams  
So they are because it's suddenly like because I'm using the plugins now for chat GPT 4 because we paid for it right?

0:16:22.70 --> 0:16:23.760  
Keir Williams  
You get it and you get through the API call.

0:16:23.500 --> 0:16:24.530  
Purui Li  
Hmm hmm.

0:16:24.130 --> 0:16:25.740  
Keir Williams  
Suddenly you can do stuff like.

0:16:25.750 --> 0:16:27.840  
Keir Williams  
It will just do the thing in Word for you.

0:16:28.450 --> 0:16:30.340  
Keir Williams  
Like words got one as well if you go.

0:16:30.350 --> 0:16:33.680  
Keir Williams  
If you get access to thing this powership power, something flow.

0:16:34.90 --> 0:16:34.920  
Keir Williams  
There's an A in there.

0:16:34.930 --> 0:16:40.600  
Keir Williams  
You just tell it what you want it to build, so it's like I need you to take an excel sheet and then add them to my calendar.

0:16:40.690 --> 0:16:42.670  
Keir Williams  
It'll just build you a prescript to do it.

0:16:43.350 --> 0:16:45.680  
Keir Williams  
So yeah, I don't know what's scary though.

0:16:45.690 --> 0:16:47.680  
Keir Williams  
Is that auto one cause I spend a lot of time going.

0:16:47.690 --> 0:16:48.300  
Keir Williams  
Here's a prompt.

0:16:48.310 --> 0:16:49.600  
Keir Williams  
Do this added to Python.

0:16:50.10 --> 0:17:0.60  
Keir Williams  
Now it'll literally just do it until it does it it just this autonomous, it runs on the loop, although I reckon you've got the iPhone tokens because you could rinse it hard.

0:17:4.280 --> 0:17:4.930  
Purui Li  
Image OK.

0:17:0.230 --> 0:17:5.360  
Keir Williams  
The other thing that I've got if you wanna do some image stuff is I think that you shouldn't just do text right?

0:17:5.370 --> 0:17:11.860  
Keir Williams  
I've got an API at the moment, but I've accidentally paid so much money for, but I've got like 10,000 calls for it.

0:17:12.420 --> 0:17:12.740  
Purui Li  
Ohh.

0:17:12.70 --> 0:17:13.900  
Keir Williams  
So you can have it because I think I've worked.

0:17:13.910 --> 0:17:17.380  
Keir Williams  
I was like, that's quite a lot and it's 300 a day and I'm using like 5.

0:17:17.390 --> 0:17:22.350  
Keir Williams  
So what I'll do is I'll send you the key and I'm gonna send you the login.

0:17:22.960 --> 0:17:25.170  
Keir Williams  
I know you might need it cause you wanna play with it.

0:17:25.180 --> 0:17:25.580  
Keir Williams  
Do you know what?

0:17:25.590 --> 0:17:25.700  
Keir Williams  
I'll.

0:17:27.890 --> 0:17:28.270  
Purui Li  
OK. Yeah.

0:17:25.710 --> 0:17:30.30  
Keir Williams  
I'll see what my login is cause just don't wanna give you my password, but you can just use that.

0:17:30.40 --> 0:17:34.140  
Keir Williams  
You can rinse that basically and then make sure if you've got a key for open AI.

0:17:35.820 --> 0:17:36.100  
Purui Li  
OK.

0:17:36.720 --> 0:17:39.650  
Keir Williams  
So what I'd say actually technically avoid you.

0:17:39.660 --> 0:17:47.80  
Keir Williams  
What you can do is run your own so you can use things like hugging space and kind of create your own models that you run yourself using a processor.

0:17:47.960 --> 0:17:51.130  
Keir Williams  
It's good, but the APIs are just instant and they're good.

0:17:51.700 --> 0:17:53.90  
Keir Williams  
They're a bit of a black box.

0:17:53.360 --> 0:17:57.210  
Keir Williams  
You can't really fiddle them as much, but they're just and they're quite cheap.

0:17:59.390 --> 0:17:59.610  
Purui Li  
Yeah.

0:17:57.220 --> 0:17:59.680  
Keir Williams  
If you're careful, I'm yeah.

0:17:59.730 --> 0:18:0.400  
Keir Williams  
I just, yeah.

0:18:0.410 --> 0:18:3.880  
Keir Williams  
So what I'll do is I'll be the stable diffusion API key.

0:18:4.310 --> 0:18:5.880  
Keir Williams  
You can rinse that cause it's really fun.

0:18:5.890 --> 0:18:8.180  
Keir Williams  
That's got some mad stuff for the images.

0:18:8.190 --> 0:18:9.140  
Keir Williams  
God, that's got one.

0:18:8.410 --> 0:18:9.710  
Purui Li  
Yeah, I've tried it before, yeah.

0:18:10.90 --> 0:18:11.60  
Keir Williams  
Have you seen?

0:18:11.100 --> 0:18:12.60  
Keir Williams  
Ohh my God, let me see.

0:18:12.70 --> 0:18:12.810  
Keir Williams  
We'll find it for you.

0:18:13.60 --> 0:18:20.370  
Keir Williams  
And I think it's control that, umm, stable diffusion.

0:18:21.300 --> 0:18:24.230  
Keir Williams  
So the stable diffusion thing, basically you just send API.

0:18:24.280 --> 0:18:25.850  
Keir Williams  
So do you know about API?

0:18:27.430 --> 0:18:28.510  
Purui Li  
Yeah, yeah, I know.

0:18:25.860 --> 0:18:28.570  
Keir Williams  
Sorry, I'm talking about you know about this, right?

0:18:28.520 --> 0:18:28.810  
Purui Li  
API.

0:18:28.820 --> 0:18:29.40  
Purui Li  
Yeah, yeah.

0:18:28.580 --> 0:18:33.50  
Keir Williams  
So yeah, so essentially this, this just gives you loads and loads of API endpoints to play with.

0:18:33.110 --> 0:18:34.820  
Keir Williams  
Ohh, what are you on Mac or PC?

0:18:36.910 --> 0:18:37.160  
Purui Li  
What?

0:18:37.530 --> 0:18:38.400  
Keir Williams  
What are you using?

0:18:38.410 --> 0:18:39.530  
Keir Williams  
Do you use a Mac or a PC?

0:18:40.370 --> 0:18:40.930  
Purui Li  
Up your feet.

0:18:41.330 --> 0:18:45.190  
Keir Williams  
So if he's actually will do it for both, there's a program called Post Man.

0:18:46.30 --> 0:18:47.320  
Purui Li  
Postman OK.

0:18:46.990 --> 0:18:47.410  
Keir Williams  
Yeah.

0:18:47.420 --> 0:18:48.400  
Keir Williams  
You wanna get that program?

0:18:48.410 --> 0:18:51.420  
Keir Williams  
So what that is is it will let you send calls to an API.

0:18:51.550 --> 0:18:55.130  
Keir Williams  
It's really good for testing stuff, so you might say I've.

0:18:55.410 --> 0:18:55.570  
Purui Li  
Cool.

0:18:55.140 --> 0:18:58.480  
Keir Williams  
I honestly, all I did is I got chat GPT to explain how to use it.

0:19:5.720 --> 0:19:5.940  
Purui Li  
To do.

0:18:58.490 --> 0:19:8.360  
Keir Williams  
It was really helpful, but basically what lets you do is say I wanna use this particular API that does so image to image right and then you can send it through that program.

0:19:8.370 --> 0:19:8.720  
Keir Williams  
Question.

0:19:8.730 --> 0:19:14.640  
Keir Williams  
I mean it lets you put parameters in, so we'd rather than having to write a whole scripts and keep on pressing it and debugging it.

0:19:14.650 --> 0:19:17.660  
Keir Williams  
You can just send it and I'll send you it back and it's pretty cool.

0:19:18.380 --> 0:19:20.40  
Purui Li  
OK, I'll try that.

0:19:18.220 --> 0:19:21.630  
Keir Williams  
I'm yeah, it looks complicated, but just get chat GPT.

0:19:21.820 --> 0:19:23.950  
Keir Williams  
What I do is I say I want to do this.

0:19:23.960 --> 0:19:25.970  
Keir Williams  
Please explain how to do it in postman or whatever.

0:19:25.980 --> 0:19:27.460  
Keir Williams  
If it's a big program, it would do it.

0:19:28.50 --> 0:19:29.40  
Keir Williams  
I'm. Yeah.

0:19:29.50 --> 0:19:30.250  
Keir Williams  
Let me see if we'll show you this.

0:19:30.560 --> 0:19:32.360  
Keir Williams  
No, you know, got it.

0:19:32.790 --> 0:19:33.180  
Keir Williams  
Really.

0:19:33.510 --> 0:19:33.860  
Keir Williams  
Yeah.

0:19:33.870 --> 0:19:38.380  
Keir Williams  
Control naps, so all one word control net.

0:19:38.510 --> 0:19:39.100  
Keir Williams  
All one word.

0:19:39.110 --> 0:19:40.520  
Keir Williams  
Have a look at that right.

0:19:40.710 --> 0:19:41.650  
Keir Williams  
So will that lets you do?

0:19:41.660 --> 0:19:42.960  
Keir Williams  
It's various things, but it's one.

0:19:42.970 --> 0:19:46.150  
Keir Williams  
So for example, you can draw uh, so stick figure.

0:19:46.260 --> 0:19:51.770  
Keir Williams  
So you have the dots, you know, like, you know when you do motion capture, you get those kind of even dots.

0:19:52.100 --> 0:19:53.670  
Keir Williams  
You know you have, like a figure made of dots.

0:19:53.680 --> 0:19:55.690  
Keir Williams  
You can put a really simple version of one of those.

0:19:55.900 --> 0:20:1.530  
Keir Williams  
Say I'm doing, you know, doing this and then take a photo of, say, me and what he'll do.

0:20:5.0 --> 0:20:5.700  
Purui Li  
Recreate OK.

0:20:1.540 --> 0:20:5.870  
Keir Williams  
Is it will recreate you, but in that post photographically perfectly.

0:20:6.0 --> 0:20:12.740  
Keir Williams  
It's like a thing and there's loads of other weird, wonderful stuff you can also do things where you put, say, two really.

0:20:12.790 --> 0:20:18.330  
Keir Williams  
So you get in Photoshop, you get a background with me on a jungle, but you literally just roughly cut me out and just stick it on.

0:20:18.620 --> 0:20:21.930  
Keir Williams  
It'll perfectly do it, and then you can add a prompt that will make it better.

0:20:22.230 --> 0:20:23.560  
Purui Li  
Ohh yeah yeah yeah.

0:20:22.420 --> 0:20:24.200  
Keir Williams  
It's \*\*\*\*\*\*\* terrifying.

0:20:23.650 --> 0:20:24.910  
Purui Li  
I have been listed before.

0:20:24.920 --> 0:20:25.150  
Purui Li  
Yeah.

0:20:25.160 --> 0:20:26.490  
Purui Li  
Yeah, that's very nice.

0:20:25.480 --> 0:20:26.770  
Keir Williams  
Yeah, I mean, it's crazy.

0:20:27.440 --> 0:20:28.710  
Keir Williams  
Have you seen my?

0:20:28.910 --> 0:20:35.620  
Keir Williams  
It was just show you this cause what's nice is as soon if you can get that get up I can send you loads of useful boilerplate scripts and stuff to get you going.

0:20:35.800 --> 0:20:36.660  
Purui Li  
OK, I'll create.

0:20:36.670 --> 0:20:37.500  
Purui Li  
Yeah. Yeah.

0:20:36.120 --> 0:20:40.620  
Keir Williams  
And let me just send you, have you seen my Instagram show?

0:20:40.590 --> 0:20:42.20  
Purui Li  
No, I think, yeah.

0:20:40.630 --> 0:20:43.80  
Keir Williams  
You I mean, not that you would.

0:20:43.90 --> 0:20:43.660  
Keir Williams  
No, there's not.

0:20:42.330 --> 0:20:45.600  
Purui Li  
But I've seen you on YouTube, yeah.

0:20:43.670 --> 0:20:47.880  
Keir Williams  
There's any reason you would have then, but that I'll, yeah, we put that into actually I'll do with HP.

0:20:47.890 --> 0:20:50.50  
Keir Williams  
I'll tell you just my short links and have no remembered nothing.

0:20:51.310 --> 0:20:59.680  
Keir Williams  
Ohh yeah, do you ever you short links so I'd suggest by yourself a short domain right by a little domain name and then short dot IO.

0:20:59.690 --> 0:21:3.80  
Keir Williams  
There's loads, but it basically lets you put in any link and then it'll just make.

0:21:3.90 --> 0:21:6.140  
Keir Williams  
You can say kid or XYZ slash and stuff.

0:21:6.40 --> 0:21:7.20  
Purui Li  
Umm OK.

0:21:6.330 --> 0:21:7.240  
Keir Williams  
It's a real flex.

0:21:7.970 --> 0:21:9.340  
Keir Williams  
It's really good for professional stuff.

0:21:9.910 --> 0:21:10.130  
Purui Li  
Yeah.

0:21:9.350 --> 0:21:10.990  
Keir Williams  
Yeah, it that's the way they put it in.

0:21:12.550 --> 0:21:17.630  
Keir Williams  
Because all the stuff I've been doing recently is what I've been getting, I'm getting the AI to write the image prompt.

0:21:17.820 --> 0:21:18.990  
Keir Williams  
Ohh Shih that's not working.

0:21:19.460 --> 0:21:20.550  
Purui Li  
You know, it's no work here.

0:21:19.260 --> 0:21:20.940  
Keir Williams  
Sorry. Sorry.

0:21:20.720 --> 0:21:21.630  
Purui Li  
I'm just checking that.

0:21:20.950 --> 0:21:22.780  
Keir Williams  
No, I just realized that this dot link.

0:21:22.830 --> 0:21:23.960  
Keir Williams  
Sorry, not that XYZ.

0:21:24.530 --> 0:21:24.940  
Keir Williams  
My bad.

0:21:25.430 --> 0:21:25.860  
Keir Williams  
Yeah, that's.

0:21:25.410 --> 0:21:27.860  
Purui Li  
And began sharing our culture, our call and maybe that's helpful.

0:21:28.480 --> 0:21:29.720  
Keir Williams  
With that, I'll just send it.

0:21:30.250 --> 0:21:31.360  
Keir Williams  
So I'll give you the full one.

0:21:31.430 --> 0:21:32.320  
Keir Williams  
\*\*\*\*\*\*\* forgotten that.

0:21:32.330 --> 0:21:32.810  
Keir Williams  
See the problem?

0:21:32.820 --> 0:21:33.650  
Keir Williams  
Been dyslexic.

0:21:33.690 --> 0:21:36.990  
Keir Williams  
Get even shortenings and they got washed it.

0:21:37.620 --> 0:21:38.240  
Purui Li  
OK. Yeah.

0:21:39.60 --> 0:21:42.900  
Keir Williams  
They have been doing is the AI script stuff on making the moment it basically it will.

0:21:42.940 --> 0:21:49.750  
Keir Williams  
It will write the image prompt for you and then send it with the API to then create the image.

0:21:49.760 --> 0:21:50.620  
Keir Williams  
Does that make sense?

0:21:50.830 --> 0:21:51.240  
Purui Li  
Ohh yeah.

0:21:51.40 --> 0:21:59.370  
Keir Williams  
So these are some of the images will be making and so I mean actually this has got all since I've started really doing this a few years ago, been kind of putting images on here relentlessly.

0:21:59.340 --> 0:22:0.400  
Purui Li  
Umm yeah.

0:22:0.220 --> 0:22:3.810  
Keir Williams  
I'm but yeah, well, it'd be funny is you can kind of tweak it specially.

0:22:3.820 --> 0:22:4.730  
Keir Williams  
That's stable diffusion ones.

0:22:4.740 --> 0:22:5.300  
Keir Williams  
Really good.

0:22:17.640 --> 0:22:18.30  
Purui Li  
That's cool.

0:22:5.370 --> 0:22:18.660  
Keir Williams  
Let me just give you the I'll give you the you look around, you can get for your account, but I'll send you my hope you and actually what I might do is set up a free account and I'll just send you my API that can use that and then yeah, have a look.

0:22:18.670 --> 0:22:22.310  
Keir Williams  
That's what got fat and just simply course you're here.

0:22:24.650 --> 0:22:24.770  
Purui Li  
Yeah.

0:22:22.500 --> 0:22:25.270  
Keir Williams  
We've got back and my profile.

0:22:25.870 --> 0:22:32.440  
Keir Williams  
Yeah, it just came in like 2 days ago like I did it for one month for a project and then it came through and I was like, sorry.

0:22:37.50 --> 0:22:37.230  
Purui Li  
Right.

0:22:32.450 --> 0:22:40.880  
Keir Williams  
Please rinse it you API and what's nice is if you start scripting you can send batches so you can say do me a picture like this.

0:22:43.270 --> 0:22:43.570  
Purui Li  
Umm.

0:22:40.890 --> 0:22:44.740  
Keir Williams  
You can change a couple of words each time and it will send you one you know, just constantly.

0:22:47.50 --> 0:22:47.980  
Purui Li  
Or yeah, yeah, I know.

0:22:44.750 --> 0:22:50.600  
Keir Williams  
I think you have a limit of like 10 seconds or something stupid but your API there we go right.

0:22:50.610 --> 0:22:50.970  
Keir Williams  
There you go.

0:22:53.910 --> 0:22:54.540  
Purui Li  
Yeah, of course.

0:22:52.180 --> 0:22:57.20  
Keir Williams  
I'll share it other you know, usually with other people.

0:22:57.30 --> 0:23:6.10  
Keir Williams  
Again though, right, it's stuff like if we can get a few of us doing this, actually that's the other thing to work out who's doing this kind of work in your ear and getting to meet it online.

0:23:6.20 --> 0:23:6.940  
Keir Williams  
It's probably easier.

0:23:7.670 --> 0:23:12.60  
Keir Williams  
Just all organized like our found meeting where we can sort of say hello and get all this stuff set up.

0:23:12.130 --> 0:23:16.340  
Keir Williams  
The other thing is the university, the department setting up a research group around AI.

0:23:17.300 --> 0:23:17.640  
Keir Williams  
Umm.

0:23:17.380 --> 0:23:17.860  
Purui Li  
OK.

0:23:22.690 --> 0:23:23.130  
Purui Li  
Cool, yeah.

0:23:17.760 --> 0:23:26.390  
Keir Williams  
So be useful that we've got a student group already that looks nice, and finally, there's an AI ethics thing you should be considering.

0:23:26.400 --> 0:23:36.190  
Keir Williams  
Ethics overall contact a bit later on, but you really need to consider that cause it's part of the evaluation so you know if you make this perfect area I the replaces design service design.

0:23:36.620 --> 0:23:38.270  
Keir Williams  
What's the role of service design or what?

0:23:38.280 --> 0:23:39.290  
Keir Williams  
How does that affect people?

0:23:39.400 --> 0:23:41.260  
Keir Williams  
You know, is there bias in the thing you're doing?

0:23:41.270 --> 0:23:46.170  
Keir Williams  
But we can write that as a kind of what you'll do is make stuff and then reflect on it, so don't worry too much.

0:23:46.180 --> 0:23:47.780  
Keir Williams  
But that has to be there all be like.

0:23:48.910 --> 0:23:49.530  
Purui Li  
Yeah. OK.

0:23:48.880 --> 0:23:49.870  
Keir Williams  
But that's your laughing.

0:23:49.880 --> 0:23:50.730  
Keir Williams  
So cool.

0:23:50.740 --> 0:23:52.60  
Keir Williams  
Alright, I should probably go.

0:23:52.520 --> 0:23:55.140  
Keir Williams  
I will summarize this transcription.