P4 Exit Interview

**Researcher 1** 00:08

Just to start off then how did you find taking part of the project in general?

**P4** 00:12

Interesting. Yeah, it was I wasn't quite sure what I was expecting to start off with. And it was probably more focused on sort of the phone itself and what the phone was collecting rather than like a separate, almost a separate probe. That in itself was quite interesting. Even the low levels of data that it can potentially collect, contribute a lot of information about routines, where you are, time of day. Quite a lot of information and the bit that was interested that didn't really get time to explore it property was when I was moving it around the house. And that, I think, looking at the data in a little bit more detail, you probably could have found out which room I was in and who else uses that room. I think it was another thing. Obviously what time it gets dark determines, probably when people go to bed and from that you can get quite a bit of information. But overall it was really yeah really interesting. Really good.

**Researcher 1** 01:29

Yeah, I thought it was like one of the calls you talked about that you could kind of see the light levels dipping earlier when he was in your youngest child's bedroom and things like that just

**P4** 01:40

Kind of make sense and sort of from the direction of the house you can tell probably just on the light level alone which room you're in. Obviously, you might have to cross reference it against weather.

**Researcher 1** 01:57

So you mentioned the standard that you were initially suppose, interested in the phone, sort of, I guess drawn into the study by by the idea of what the phone could do. Was there anything about that that was particularly interesting, I suppose where did that motivation come from sort of

**P4** 02:13

Understanding what sort of level of information the phone has with the comms and then whatever apps that are on the phone and what level of access they have to that data? Does, is it a free for all if it's on the phone, if you're on if you have an app on the phone, what sort of information that gives you that's initially where I thought it was going, but the probe itself has been really interesting

**Researcher 1** 02:39

Is that something that I guess you thought a lot about in the past?

**P4** 02:45

A lot is a strong word... thought about and pushed to the back of my mind. There's not a lot, a huge amount you can do about that. If you're happy to accept the phone and what the positive things that it does for your life then yes because there are always negatives. And hopefully, but hopefully no consequences.

**Researcher 1** 03:11

And you just so yeah, you suppose kids and being in the house and things like that came up a fair bit in the things you talked about in the calls, like how did how did other people in the house kind of react to it, did you get the anything from interests or concerns from anybody else in the home?

**P4** 03:33

No not really concerns. So then the kids are eleven, five and one. The eleven year old was interested just because it looks interesting. My wife wasn't, she's sort of, hopefully he trusts me enough not to bring something dubious into the house. So she wasn't too worried about what it was collecting. I think when you start talking about collecting sound, then people go um that's but when it's when you say it's just sort of frequencies it's not actual speech then its [inaudible] quite easily.

**Researcher 1** 04:10

What about outside the home did you tend to take this around with you? Day to day?

**P4** 04:16

Yes. pretty much always came and did the commute apart from when it was around. So I think the first two weeks were just sort of moving it around and taking it with me to places where it sort of went to the office and came to the lab and moved around quite a bit. But then the second two weeks were I think, one week was moving around the house. The other week, I had it in the fridge to see what happened.

**Researcher 2** 04:41

Oh did you? What happened then.

**P4** 04:44

That was the I don't know if that was coincidental, but that was when it stopped sending data. So I don't really know a huge amount about what happened with that, but it will be quite interesting to look at that.

**Researcher 2** 04:57

What did you think might happen?

**P4** 04:58

Well it's to see if the the probe would actually collect enough data because obviously, we don't have the fridge open for any length of time. Open get what you need and shut. Exactly. So it'd be intrigued to see if it would have caught interesting bits of information. And then to see what it looked like on the on the see what the data looked like on the phone. Its, I don't know if you could have got enough fine detail to see what time and when all that sort of stuff. But but no no phantom 12 o'clock midnight eaters.

**Researcher 2** 05:45

Yeah, it's just I guess going back to the I'm kind of intrigued about the conversation with your your oldest child. Like what bit of it kind of caught their attention if you remember or if it was a , how you... Yeah, I'm interested in how you how you explain it to other people as as a participant.

**P4** 06:08

Yes. How would I try and explain it? Obviously, you sort of just the appearance of it is enough to pique interest I think. It's it looks quite interesting. And it was more how kind of you explained it to me with sort of the various numbered items and what they do and the fact that you can switch them on and off. And that was about it. It wasn't sort of any more knowledge and how complex it could be but it was yeah describing what data it can collect. And then sort of interested

**Researcher 2** 06:39

And you bought into work as well right? And did you did you explain it to any colleagues?

**P4** 06:44

Yeah, briefly they were of interested because it looks interesting, but not any I didn't discuss data with them or anything.

**Researcher 2** 06:54

Yeah. Okay.

**P4** 06:54

But just sort of the level of information that it's collecting. And how it's a little bit about the study and how it relates to what the phone what your phone can also collect at the same time

**Researcher 2** 07:06

but you didn't see any of the data in the last few weeks.

**P4** 07:10

No, I did try and I did do the fix so I can get the data off it now. Did try and look at all the data in one go as well. But it's too long now to remember when which room it was in. I should have really started noting that down.

**Researcher 2** 07:29

So because you were changing your behaviour with it, it's not entirely clear. Which buts were, that's interesting isn't it.

**P4** 07:37

I should have really written

**Researcher 2** 07:38

Well no, or it's an opportunity as well isn't it to say how do we somehow how do we somehow mark that data and say, Well, that day is the living room experiment or

**P4** 07:52

That would have been good and or just it would have been a little note book with data and

**Researcher 1** 07:58

Probably would have been interesting to give people almost like a lab book wouldn't it or that kind of thing. Lean into the experimentation bit a little bit.

**Researcher 1** 08:10

Did you learn anything was there anything in the data I suppose that surprised you or that I don't know drew attention to something that you hadn't been conscious of before or anything like that.

**P4** 08:22

I guess the the information that you can get with just Wi Fi signals alone, just the way the different Wi Fi systems have names, you pretty much know where you are. And if it's a time when you know what time you were there, how long you were there and all that sort of stuff. So that's if you've ever wanted to stalk someone, that's really all the information that you would ever need. So it's sort of the privacy with that I'm not sure. I guess it depends on who gets access to that information. But yeah, that's that's quite a lot in itself. So of I guess anyone, I wasn't quite sure about sound but I guess any one of the other bits of information, you could probably more or less track where people are at certain times of the day.

**P4** 08:26

Oh I see in terms of it being describing like the local area.

**Researcher 1** 09:16

What kind of things were you seeing in the Wi Fi as locations

**P4** 09:22

Not necessarily with mine. Although I can tell sort of just with the Wi Fi codes where I am. Yeah. But with other people's especially when they're on the bus, they can that was fairly...

**Researcher 2** 09:37

Did you I think I've got half a memory of you talking about moving around with it at one point or maybe cycling or running or something with it?

**P4** 09:44

Yeah. Sort of cycling in and out every day and if I'm not doing that then I'll run in and out.

**Researcher 2** 09:49

So you're running with your with your backpack.

**P4** 09:53

So that was in the backpack.

**Researcher 2** 09:55

Did that show up at all?

**P4** 09:56

I didn't sort of get to interrogate that bit of data but it would have been good to see you would have been if it was possible to get it all chucked on to Excel then it would've been good to try and match up days to see precisely what things were happening. So its a useful visualisation on the phone to actually sort of

**Researcher 2** 10:21

So you didn't do the Excel bit?

**P4** 10:23

I tried multiple times. I really couldn't get it to work

**Researcher 2** 10:27

With the converter?

**P4** 10:29

Yes, you should be able to export or import data into Excel from JSON files but it didn't

**Researcher 2** 10:36

I made I maybe I didn't share it with you. I made a little thing to take the JSON and then spit out sort of CSV. If you're interested, like in

**Researcher 1** 10:50

We'll leave the SD card.

**Researcher 2** 10:52

So you could take that and still use that if if that was interesting.

**P4** 10:55

It would be interesting. I could probably go back and find which one it was [inaudible] time it takes to commute in.

**Researcher 2** 11:03

So do you think that was, a lot of, I'm sort of intrigued how how much folk who made their own [inaudible] that over the over the different set of people we've been working with. Some people have been cracking out the code and some people are doing all kinds of, and I'm sort of intrigued the amount that that's about, like, I suspect that's not really about answering a question. But do you think that was like

**P4** 11:37

it's kind of a hobby, but yeah, definitely part hobby. I think anything with gadgets that people are interested in. For me it was about sort of what information and trying to understand how it changed with I guess with the certainly with the rooms thing it would have been interesting to see a little bit more detail. But yeah, I guess with some people it's how your brain works and how you visualise data. The more information the better.

**Researcher 1** 12:14

Do you well going back I guess to that original interest in sort of existing bits of technology like phones like having taken part in this and seen that kind of data, do you feel any differently about any of the technologies that you use already?

**P4** 12:29

Differently? Definitely more aware of what the collects, but still haven't done anything about trying to limit the information that it collects.

**Researcher 2** 12:44

What kind of thing might you do to do that?

**P4** 12:48

Go back into the settings and see and see what it collects and how it collects it

**Researcher 2** 12:53

And you're an iPhone user is that right yeah

**P4** 12:56

So I don't know. I guess there's for most of the functionality you probably have to have it collecting data anywhere that you ever have. But I think you were discussing about using the probe as a proxy for either a solar power water plant pot or something from the level of lights. So from that, yeah, that will give you quite a lot. Just having an internet connected whatever it would be.

**Researcher 2** 13:31

Okay, so it's worth thinking about it as a way. Yeah, something else. Something that isn't currently on the internet might get data.

**P4** 13:41

I would, that and if you didn't just buy whatever it was because it was more convenient you can control it from your phone. That's obviously collecting data intentionally. Intentionally or not but it is. I'm trying to think what we've really got that's sort of connected. I guess we've got light bulbs which are all connected.

**Researcher 2** 14:08

With a sort of are you using like a voice assistant with that?

**P4** 14:11

Yes.

**Researcher 2** 14:13

Which one to use ?

**P4** 14:14

Alexa?

**Researcher 2** 14:15

Okay. How do you feel about that? We just had a conversation about the sound and frequencies on that. Do you? Do you? Do you? How do you think about Alexa in that way? Like, is the wake word? Like, do you okay a different question. Do you ever feel Do you feel it's ever listening to you when you didn't like ask it to?

**P4** 14:55

Yeah, there's a few times you you've heard it sort of clonk on, and unfortunately the baby tries to turn it on. He can't speak yet, but he sort of he knows. He recognises what it looks like and there's a couple in other rooms. There's other stuff that looks sort of vaguely similar to to a hockey puck thing. So you've sort goes [baby noises]. So it's not quite getting it right, not quite being able to trigger it. But its clear what he's trying to do

**Researcher 1** 15:29

so he recognises that you activate that with your voice. Because you hear a lot about babies swiping at books like a tablet and things like that, but I've never heard anything about voice assistants before.

**P4** 15:46

And it doesn't matter where you are. If you see something that vaguely looks like it

**Researcher 1** 15:52

any cylinder

**P4** 15:53

Yeah pretty much. There's a few songs he really likes listening to that's what he's after. We know what he's after. We don't know how he's trying to get it

**Researcher 1** 16:11

Yeah, yeah, I was about to ask like, how do you how do you feel about that as a parent I suppose, to kids... Yeah, growing up in that environment from such a very young age. Does that give you pause in any way or is it something you're fairly comfortable with?

**P4** 16:26

Trying to be really comfortable with it. I think if you're if you try and force your growing up on the children, then they'll be left behind technology wise. Not that I want them to be on phones or technology all the time but they need to be able to use it because it's it will move on quite quickly and they don't understand how it has been used, then they'll not understand how future stuff will be used.

**Researcher 2** 16:54

Have you and if its too intrusive then don't... Just wondering about so your oldest child is 11, have they, about a phone with them or they have they got one

**P4** 17:09

Yeah. So she had a an iPad from four-ish I think. Before that was using if it was quiet time then yeah they might have been given the phone. Whereas she she got a phone when she started middle school. It's my old old phone so it's really crap. But she uses it, mostly keeps in contact with their mates but she's not on it all the time. And she recently absolutely shattered the screen. And she's not that fussed. She's She doesn't use it enough to be that bothered, but it's not quite [inaudible]. And I'm quite happy with that but she's it's there she can use it, we can contact her but she's not glued to it. And she seemed sort of fairly relaxed. Because she did will in her SATs so as a reward you can have...

**P4** 18:19

The five year old she's got a slightly newer phone ... the oldest eldest has got the got my old 5s iPhone, its rubbish and hardly works. And then the five year old's got the 6s with the big screen and that's still up to date with whatever iOS it is, it still works pretty well. So the they know how to use them just about. It's intriguing to see when they can't read perfectly how they still use them. But they seem to be making it harder at the minute. Certainly on [the youngest]'s phone. It was there's kids YouTube, there was kids iPlayer and then they could get a child version on Netflix. But iPlayer have just stopped the kids iPlayer which is really frustrating. The idea is that I guess it's a bit like Netflix now you have a profile within it and the one you'd use but and set all the ages appropriately. But you can't download iPlayer on a device that's less than 12 so they've gone from having really good access to child friendly content.

**Researcher 1** 19:52

That's really interesting

**P4** 19:59

Sorry that was a bit of a detour.

**Researcher 2** 20:01

No, I mean I'm trying to think about how that I think it's kind of fascinating because it also is like in how does that relate back to our conversations about the data that's being collected?

**P4** 20:13

Yeah.

**Researcher 2** 20:14

Like to what extent

**P4** 20:19

I do [the five year old] doesn't have access to the internet to sort of web pages? Its to specific apps. I would worry not that you would search weird things with the adverts she would get from it would be very specific to her. Which at that age you're massively susceptible to any marketing. So it's quite nice that they don't have all the adverts from all the programmes

**Researcher 2** 20:59

and they just sort of maybe this is a silly question, but maybe it's not. Like sort of like hypothetically if we've given you like a family of so are the five of you, if we've given you a family of five of these devices would you, would you be you be more or less comfortable with the study or like

**P4** 21:22

if it was along the same lines. I would be perfectly happy, I'd be interested to see. Well, I don't know how I think the 11 year old she would take it serious, be quite dilligent with it, less so...

**Researcher 2** 21:36

yeah, the baby probably not quite so

**P4** 21:40

It would just strap it to his back. But it would be it would have been intriguing to see what their routine ... there's some big changes that I don't know about what they do during the day necessarily. Especially now they're going to school, and she walks to and from school by herself. So hence the reason why we got her the phone. But deviations from routes and trips to shops

**Researcher 2** 22:19

and the GPS didn't work for you. Do you think that would have shifted your perception of this anyway?

**P4** 22:29

No, I think the Wi Fi data in itself a fairly good locator.

**Researcher 2** 22:33

Yeah. Yeah. No, no.

**Researcher 1** 22:41

Almost everyone's commented on that in one way or another. Its been quite interesting.

**Researcher 2** 22:48

That's the bit I, to kind of step back a bit, the but I find fascinating, yeah, like I walked down like Northumberland, street recording all the Wi Fis as I went and it was pretty much a list of shops and then occasionally the people and then maybe a bus and then like, yeah, it was super super detailed.

**Researcher 1** 23:11

We did, we did experiment with it. Also, it could pick up Bluetooth devices and the names of the Bluetooth devices around it and we decided not to do that in the end. But yeah, that's interesting as well because you see [P4]'s iPhone and you see Tesla whatever driving past and things like that. It's really interesting.

**Researcher 2** 23:32

Yeah and TVs.

**P4** 23:38

With that, because I guess the distance you can get really specific locations.

**Researcher 2** 23:42

So when you were at home, is it your home network it was recording?

**P4** 23:45

Yeah. I saw other people sort of have list of various ones ... it was always our location.

**Researcher 2** 23:55

I'm in an apartment building. So if I move it to the back of my house. I get my neighbor's Wi Fi rather then my own

**P4** 24:02

I think we were, obviously when you look at the list of on your phone of wht to pick, you pick up multiple ones. But it was only ever ours that recorded on this. Which is quite interesting. Does that mean I've got the router in a decent place

**Researcher 1** 24:35

Was there anything you thought was interesting that you wanted to raise or any questions you had for us before we finished?

**P4** 24:41

I don't think so. Yeah, I'd be interested in sort of hear your conclusions of how people have used it and the feedback that you got. That would be interesting. Yes, but if you do have any other questions, feel free to get in contact.

**Researcher 2** 25:06

Cool. Thank you very much. I was really grateful for all the time and asked quite a lot.

**Researcher 1** 25:14

Yeah, it was a big ask and like everyone's engaged like so well with us. Really appreciative of.

**P4** 25:21

No, it's been really good. Yes, just a shame we missed the last two

**Researcher 2** 25:28

I think it was. Yeah, it was a it's one of those ones where it's? Yeah, it seems to me just just from the point of view of the way that this is a new kind of model of engaging groups of people together at the same time. And there's challenges obviously in finding a time that works and just that sort of logistical side of these sorts of projects

**P4** 25:57

I was on holiday for one of them, so only managed to be there for a little bit. Yeah. That was interested in the caravan. There's a guy next door who uses it for work, so he has Wi Fi but as soon as he's not there there's no sign of it. Yeah, and it would be good to have a look we did we did take it out for quite a walk. So it'd be interesting to see what picked up.

**Researcher 2** 26:35

Do you want to keep it further or do you want to what do you want to do now? We're happy to take it back. We're happy to leave it with you a bit longer.

**P4** 26:41

No happy to return it. I will take the data. And if you get me the converter.