Physical Computing - Week 2

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Reflect on creating interfaces for your body. Consider how we engage with tools – how does this impact, how your body extends into the tools around you? What possibilities do you see?

One of the main prerogatives of any interface is bundled to be in the proximities of the user. Mouse, keyboard, monitor, Alexa, Siri, and any other tools require its users to be nearby or contact with. I think the future interface will be a non-visible, portable, and hands-free device that can be integrated into the human body. This device will record its patients' health condition regularly without any complicated checks. The AR glasses of these days might become a contact lens to an interface. It has the use of helping colour blind people to perceive the world as the others. We need to take so many devices like a smartwatch, phone, and earphones to go out, however, it will not happen in the future. All of those will be an all-in-one tool for users' convenience.

Can you see a way they can generate equitable interfaces? What interface would you create to help bring your vision of the future forward?

I believe every interface is equitable as it is inequitable. Stephen Hawking, one of the greatest theoretical physicists, has been gradually paralysed due to his disease and started to use a special keyboard on the wheelchair. When the day came that he could not even use his fingers, he started to use an eye-tracking mouse. Professor Hawking felt difficult to use it at the end of his life. Impaired people and blind people obviously cannot use the machine that he used. Although the machine has been made to comfort someone's way of living, there is no use for other people.

Some people might say that the device that Hawking was using is too expensive that it cannot be afforded with an average income, however, new technology has been developed, the technology improves, and its fund has been raised, due to people like professor Hawking. I would like to point out that the new interfaces that have been developed for him produce another pathway to overcome the communication barriers for impaired people.

The world is becoming more equitable, and it is the same for the interface options that we have. Creating an equitable interface will be unavailable still in the future as everybody has their requirement. They will always have their alternative options. I would like to make an interface that can ease the lives of impaired people, especially someone with dyslexia. The interface will use the mind-reading tool to overcome the typing and reading difficulties of the subject.