

Ideas

1, implicit interaction with everyday things.

We often meet with situations where our phone unexpectedly rings when we are on a meeting or in class. It makes us embarrassed cause others will stare at us while we are taking out the phone, or even worse, looking for the phone in bags. With a watch or ring, we could solve the problem by swiping on desk edge. Moreover, we could encode twice swipes for auto reply with a short message. The actions can be quick and without being noticed such that we do not disturb the others.

2, swipe on our own body

When using widgets is not convenient, such as while walking, we can use our own body as widgets. Now we have watch/ring on our right hand, palm our left hand and spread the five fingers, which makes five bumps. The density of the bumps can be easily adjusted by moving the fingers. Swipe with the right index finger on the left fingers send pre-encoded messages as well.

3, Identification

Since wearable devices are persona belongs, we can use them as identification tool with swiping gestures. In a smart home settings, we can have our door lock equipped with widgets. Guests without the key can choose to swipe on the widgets to open the door. However, only those who receive the authorizations beforehand can access such functions. In this way, neither the lock nor the wearable devices need to be embedded with other sensors such as NFC.