Hello everyone, I’m Jamie. I will talk you about mixed reality and some applications of VR and AR.

Mixed reality, we can know from its name, it mixed with augmented reality and virtual reality, however, it is a little bit difficult to combine two different types of technology together, so it is not as useful as AR and VR.

We can know it from this picture, this is VR and this is AR, MR is in the middle, it would have both of their feature.

Now we will talk about the application, I divided it into four mainly parts: business, entertainment, simulate test and Education.

First we will look at business, both AR and VR could display the product easily, such as Virtual fitting room, you don’t need to take off and put on then you can try any clothes you want, this could save your time on wearing. VR could bring you a good experience when you are shopping, too. Take furniture as an example, you can see what your room looks like via virtual reality, moreover, you can imitate how to use it, it is interested.

Next is entertainment, we could see so much game using AR or VR technology. Pokemon GO is a successful example, it combines picture with cute anime. There also have many classic game transplant to VR system, such as Angry Birds or Minecraft.

Then, we talk about simulation test, this means both AR and VR can make many simulation, for example, a doctor could do a sham operated when they are testing new ways before it really perform it, this could reduce the risk of failure and save more lives. An airline pilot could also having simulate driving before they flight actually, since driving plane is very dangerous, they can use this to be more familiar with it, and it would be more safe.

Finally is education, you can look at this picture. Did these panda looks real? In fact, they’re produce by augmented reality! By using AR, children can see so many kinds of animal in a close distance, such as whale, panda, or tiger. AR can even display something that is extinct already. Like dinosaur. Teaching with VR system could also made student know more about the course’s detail, and it could also enhance students’ interest.

Although these system are still in developed, I believe it would become better in the future, combine all of our visual and feeling, then making the impossible possible.