

## **Study on future playground**

Abstract :

Virtual reality become more and more used for many purpose such as education , entertainment , medical tools. Head Mounted Display (HMD) are improving to a better resolution and frames refreshment which allow professional to dig more and more into immersive virtual environnements. We intended to imagin how could look like amusement park in the futur, and think about creating a virtual roller coaster. Using Unreal Engine and Oculus Rift our purpose was to create diferent contents to offer the user multiple interesting, nice and safe experiences of immersion. We created four differents virtual environnements,based on japanese culture and traditionnal tales, but also inspirated from Lewis Carroll's book « *Alice's Adventures in Wonderland* » and finaly the last environnement was a work imagination about Futur city.