**AR Essay**

For this project, the focus was to display places on a cube using AR. This is an interesting and useful idea and will increase in popularity in the future as a technology like this is useful for people as it shows us what a location looks like before we visit it. This type of technology is already in use in applications that we use every day like maps or social media apps like Instagram. For example, google maps lets you on your phone view the area as if you are there and lets you walk around the area to discover it. This is cool, but the thing missing is you don’t feel like you are there. This is the reason why companies are investing heavily in AR glasses. The vision in the future is that people will be able to view things as if they are right next to it or in it. This is also the same technology that Google Lens and Google Translate use. Being able to walk around, translating texts in real-time, talking to people as if they are right in front of you, or having a place replicated to make you feel as if you are in it will change a lot of things and solve many problems. Another example would when an employee at a company with a lot of sensitive machines detects a problem, they can put on a pair of VR glasses, visualize the issue using AR, and fix it using what they see in the glasses. No need to send a repair team into the lab. Coupled with other technologies such as artificial intelligence for image recognition, companies can optimize the creation, monitoring, and maintenance of complex systems. Another example would be how we use maps. Currently, we must put our phone on the dashboard on a holder to hold the phone. This is a problem because it can distract the user with things such as notifications, unclear display, unable to quickly glance on the map, etc. which could be dangerous in some situations. AR glasses can solve this issue by letting showing the user the map on (for example) the windshield so the driver can focus on both the map and on the map without looking at the phone. This is one suggestion, and some companies already implemented such AR technology in some devices but is still a young technology where it has some bugs. But in the future, technology like this would be very popular and help a lot of people, and possible save people from accidents. Last example would be, which is what this project is about, projecting something on (for example) on the table. Say a company want to construct a building and wants to see how it would look like. They can use AR to display the building along with everything around it on the table to give a quick and clear look on how this place would look like with this building after construction.