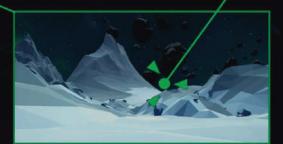


GAME DESIGN

Technologies: Unity 2021.1.13f1 Blender 2.93 Photoshop 22.3.1



In the near future, a giant meteorite hits the Earth and eliminates most of the humans. The Earth breaks apart and its fragments wander in the universe. Remaining lives in the last human city under human government and begin to remould the body of humanity to half robot half human, decides to resist Al tyranny.

The player starts at the edge of the map and progresses towards player.

There's a portal at the center of the city. It can teleport the player to another dimension where the final boss exists. The player would need to defeat the boss to finish the game.

Design Decisions:

the resources we have.

Name	Task	State
Linyan Zhu	Gameplay, Shaders, Boss Fight, Artificial Intelligence, User Interface, Audio	Finished
Chen Jiang		
Xinyue Zhang	Procedural Generation, Boss Scene, Evaluation, User Interface	Finished
Zhihui Chen	Main Scene, Evaluation, Audio, Artificial Intelligence	Finished

Main Scene:

After we are settled with the game genre and the background story, we decide to make the landscape. At the center of this land, there is a city with a shield to protect whoever is underneath.

There are lots of great low-poly asset packs on the asset store which fit our concepts perfectly. The overall feeling should be freezingly cold and sci-fi, so we choose a cold tone such as white, blue, and grey throughout the scene.



The laser material under the Particles section also utilizes a custom fragment shader. The UV is moving throughout the time, combined with some other noise textures, to create a dissolving, glowing and energetic effect.

Glowing Hemisphere





Spark |

This effect is only contains 3 different effects.

The background glowing hemisphere. The sparks.

The decals on the floor.



Evaluation techniques:

Observational Methods: Think aloud, Cooperative evaluation. It's difficult to find participants face to face and invite them to play. Therefore, participants will receive our testing game and try to play the participants gave feedback to the developer when they finished the game.



Glowing Spheres 📗



Spark |

vfx Impact is the particles and decals at the end of the laser.

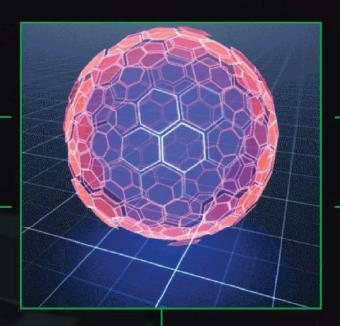
Two shockwaves: one red, one blue.

and an energetic feeling.



FINAL PRODUCT

CODE: github.com/chenjiang0819/FPSGame ■



TRAILER: youtube.com/watch?v=YQ7TLemPkf0 ■









