

A 3D procedural cityscape featuring a variety of rectangular buildings in different colors (blue, orange, yellow, grey, and cyan) of varying heights. The buildings are arranged on a dark grey floor with a white grid pattern that recedes into the distance. The background is a solid dark grey.

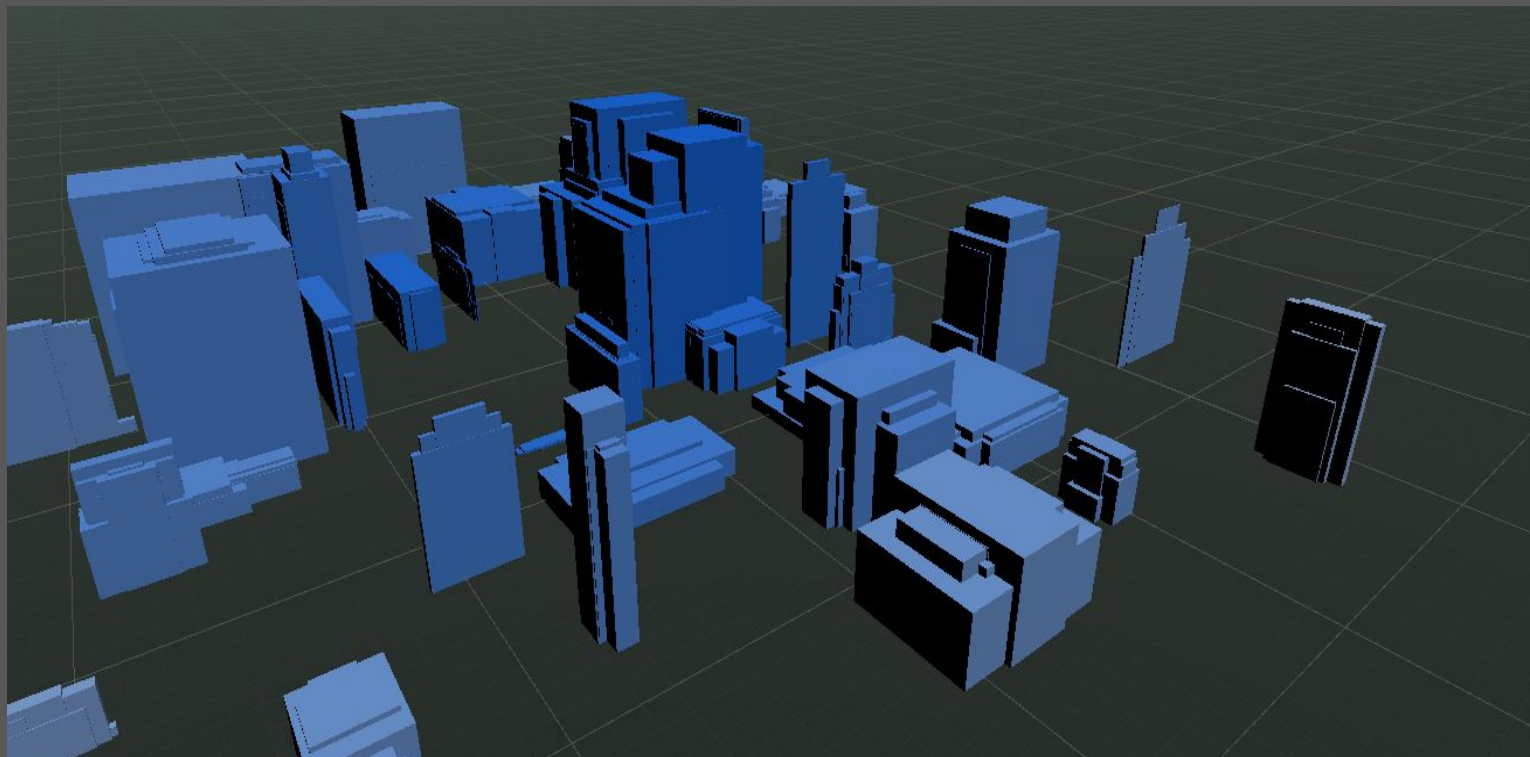
GÉNÉRATION PROCÉDURALE DE VILLE ET DE BÂTIMENTS

THOMAS DUVIGNAU ET GAËLLE MARAIS



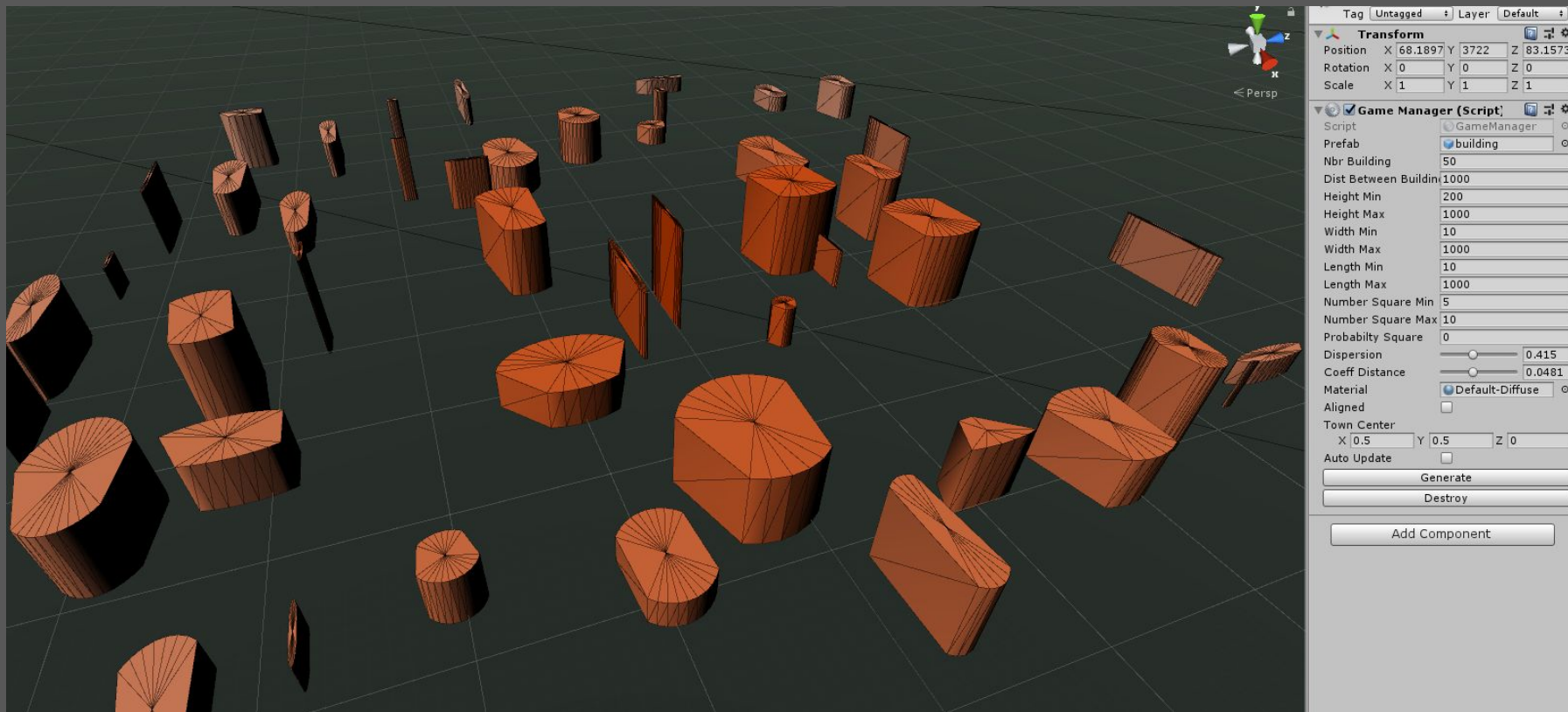
PARTIE 1: CRÉATION DES BUILDINGS

LES BÂTIMENTS RECTANGULAIRES



Script	GameManager
Prefab	building
Nbr Building	50
Dist Between Building	500
Height Min	10
Height Max	1000
Width Min	10
Width Max	1000
Length Min	10
Length Max	1000
Number Square Min	5
Number Square Max	10
Probability Square	1
Dispersion	<input type="text" value="0.415"/>
Coeff Distance	<input type="text" value="0.0481"/>
Material	Default-Diffuse
Aligned	<input type="checkbox"/>
Town Center	X <input type="text" value="0.5"/> Y <input type="text" value="0.5"/> Z <input type="text" value="0"/>
Auto Update	<input type="checkbox"/>
Generate	
Destroy	
Add Component	

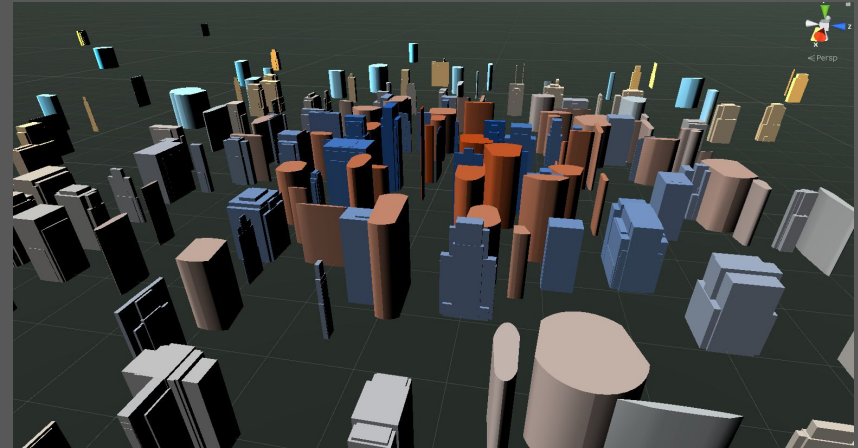
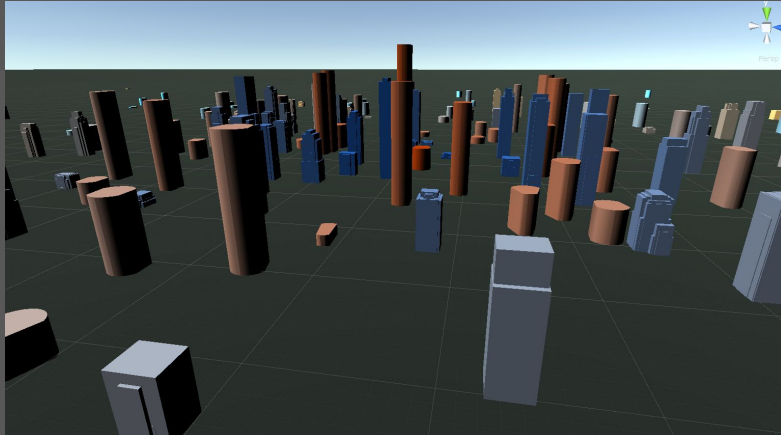
LES BÂTIMENTS ARRONDIS



VARIATION DES PARAMÈTRES

Les paramètres permettent de faire varier le style des buildings et d'avoir plus ou moins de diversité

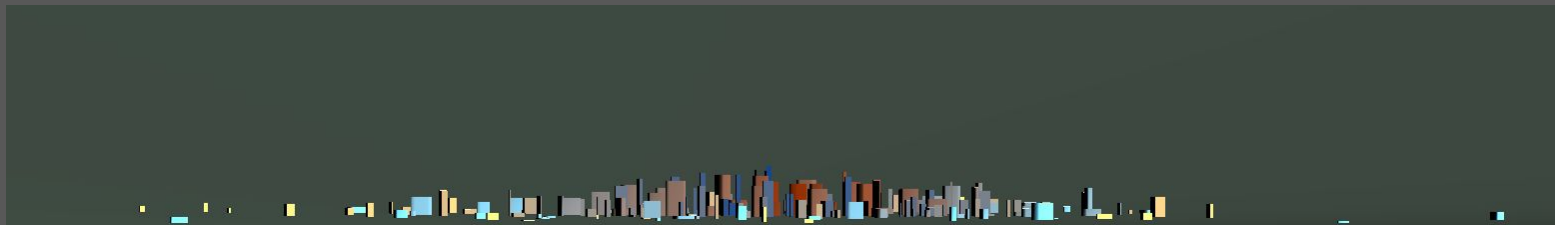
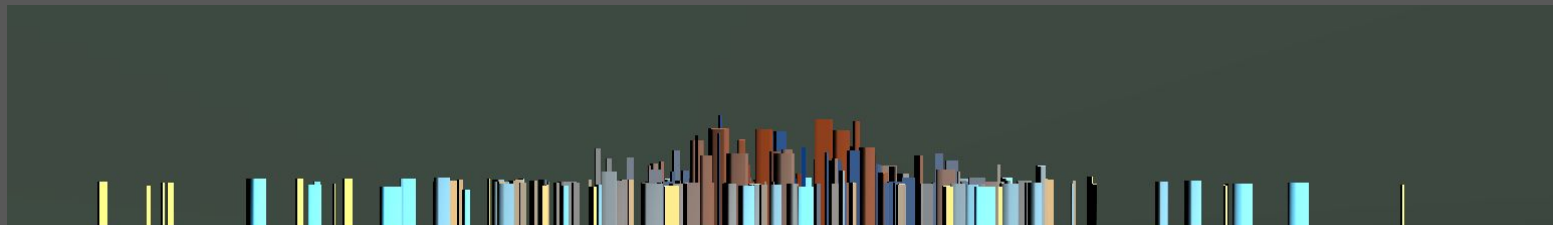
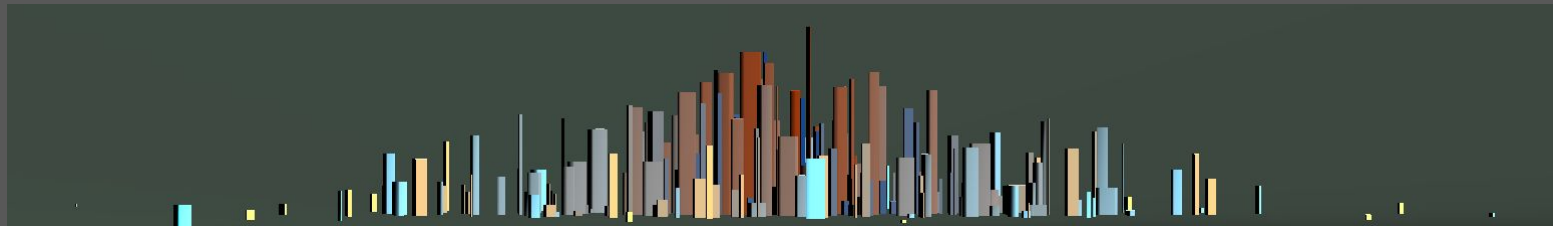
Height Min	10
Height Max	2000
Width Min	50
Width Max	400
Length Min	50
Length Max	400
Number Square Min	1
Number Square Max	1
Probability Square	0.5



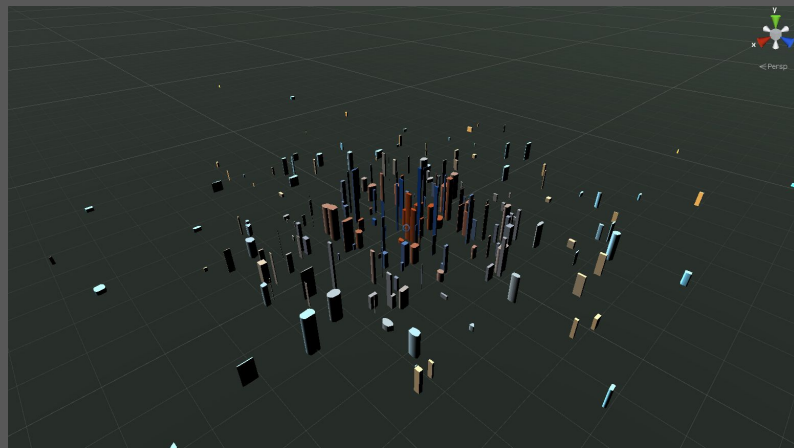
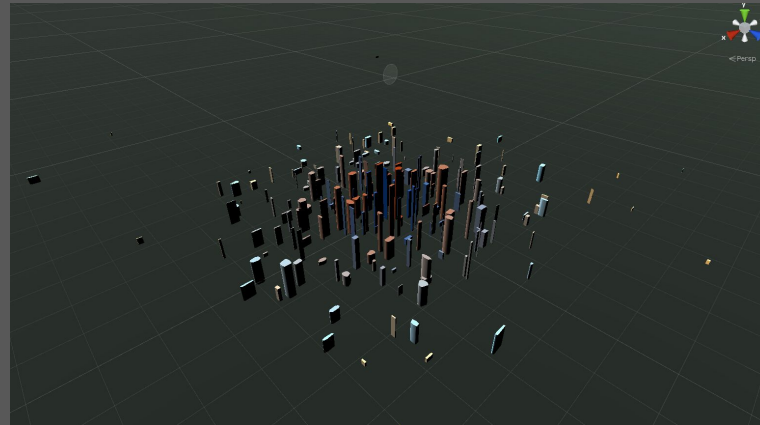
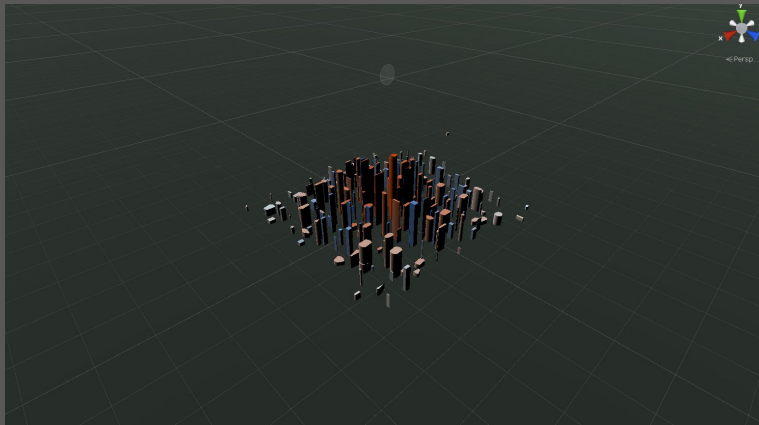


PARTIE 2: GÉNÉRATION DE LA VILLE

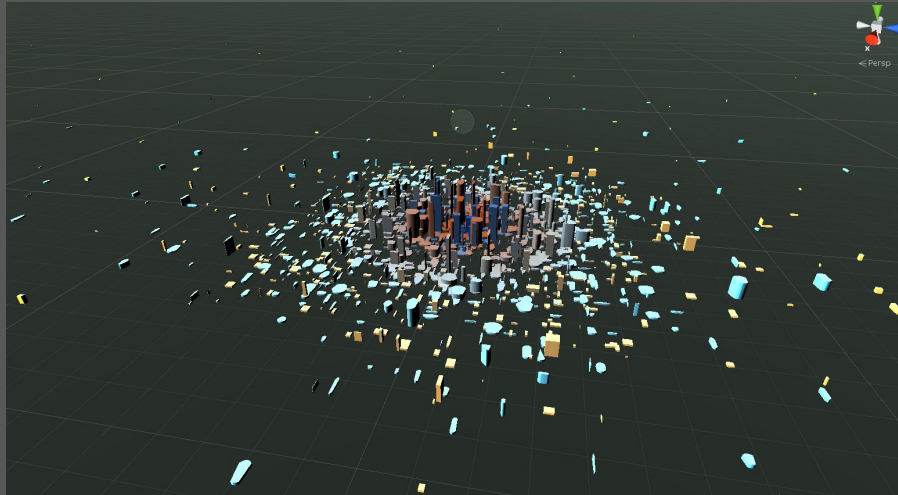
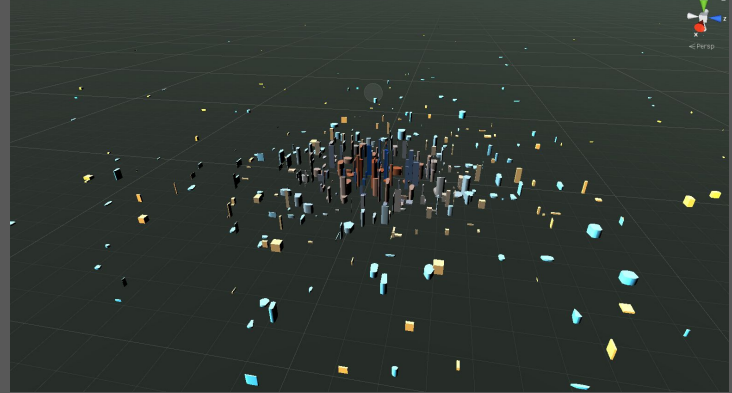
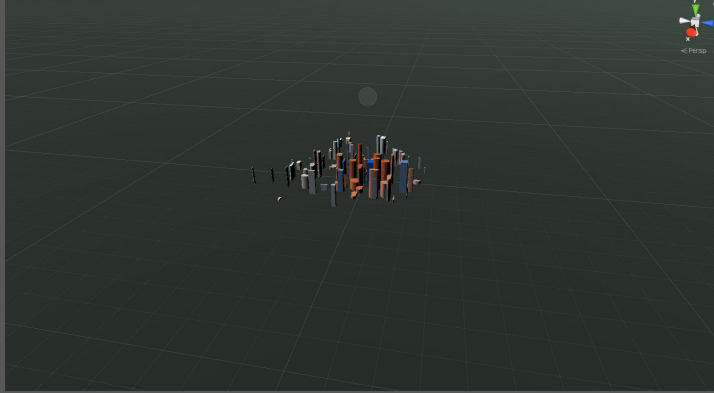
LA HAUTEUR DES BÂTIMENTS



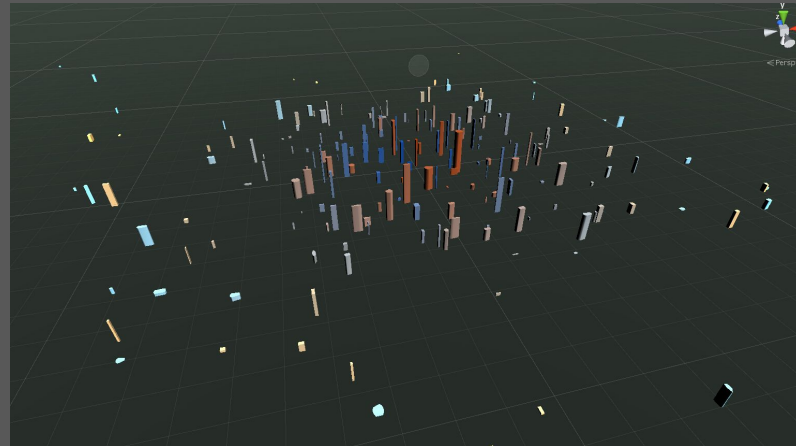
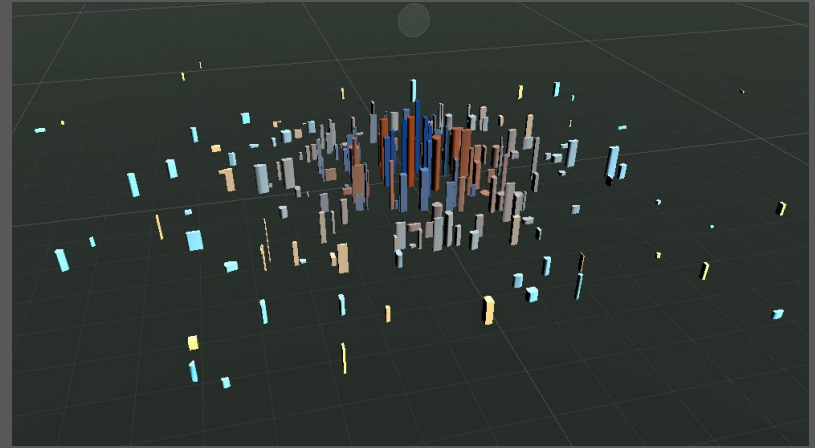
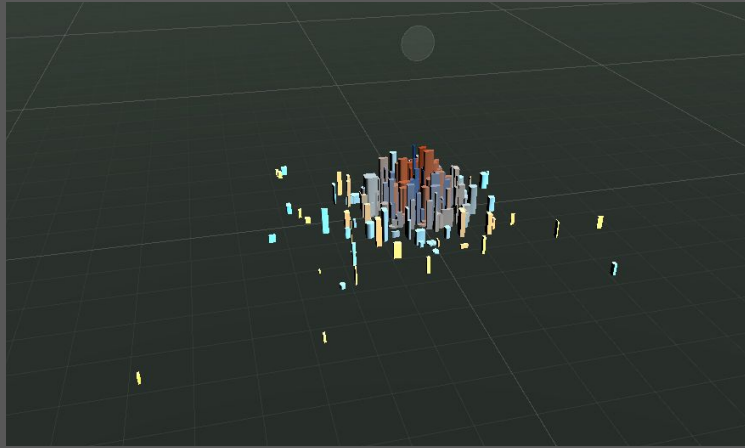
LA DENSITÉ DE LA VILLE



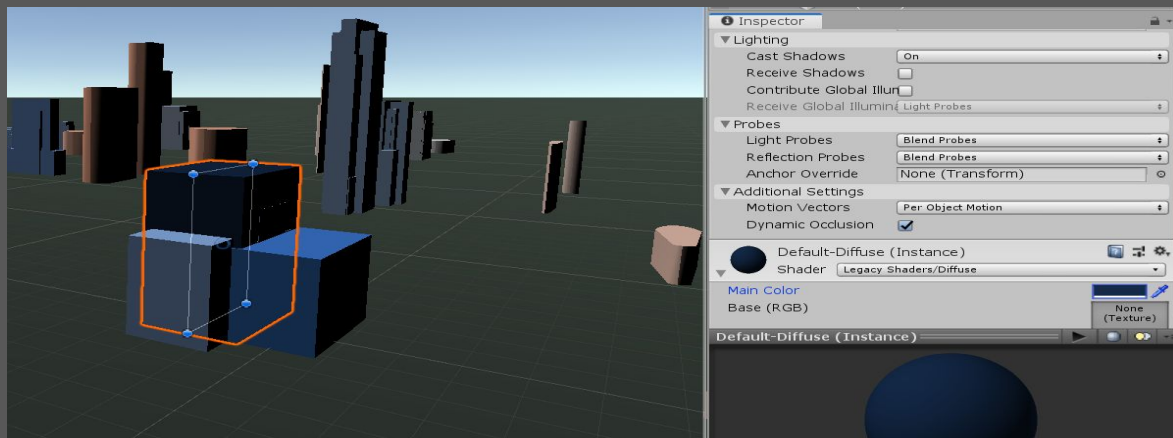
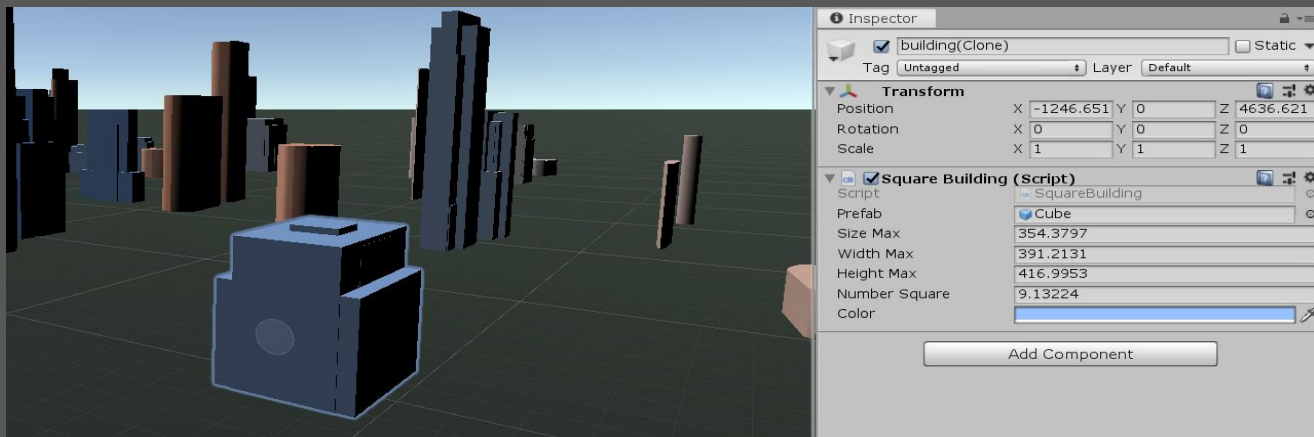
NOMBRE DE BÂTIMENTS



LA DISTANCE ENTRE LES BÂTIMENTS



EDITION DE LA VILLE



An abstract 3D visualization of a bar chart or data set. The bars are rendered in various colors including blue, orange, yellow, and grey, and are scattered across a dark grey grid floor that recedes into the distance. The background is a solid dark grey.

MERCI POUR VOTRE ATTENTION

THOMAS DUVIGNAU ET GAËLLE MARAIS