CS 1666

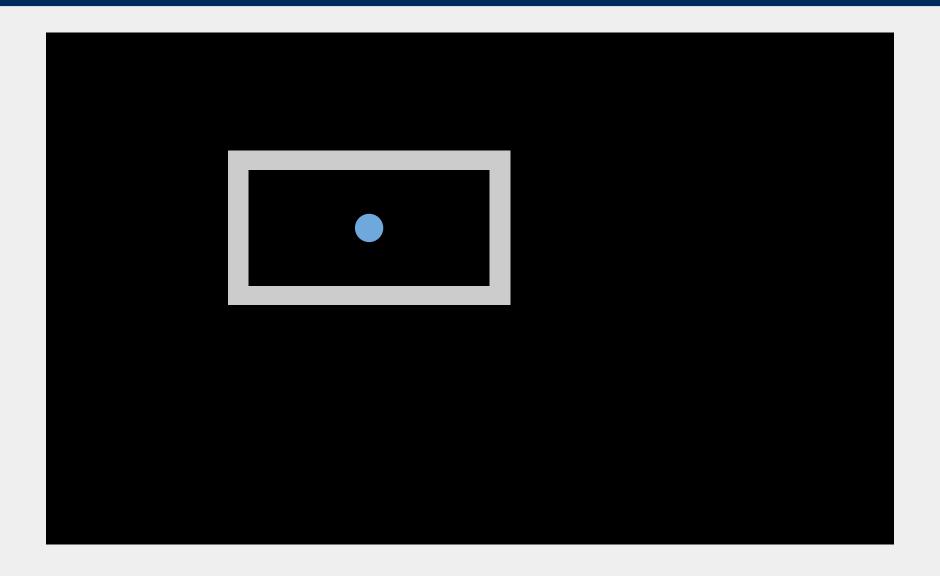
www.cs.pitt.edu/~nlf4/cs1666/

Tiling, scrolling, and animation

Tiling

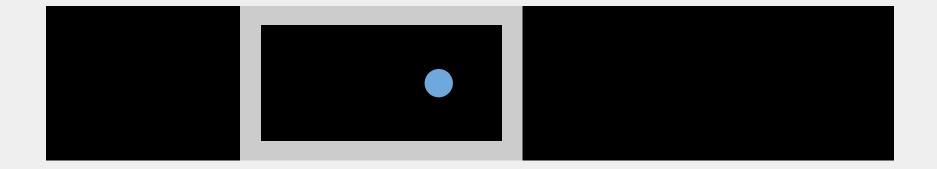
- Many 2D games are built off of tiles
 - Each tile being a block that is reused to build construct an overall scene
- Different tiles can be stored together in a single image file called a sprite sheet
- The srcrect argument to SDL_RenderCopy can be used to "clip" a section of the sprite sheet to be rendered

Scrolling - top down



Scrolling backgrounds

Side-scrolling



Animation

- Note our helicopter doesn't seem to actually be moving...
 - Need the player avatar to be animated
 - Use several sprites to represent the player, rotate through them to achieve animation
- Our helicopter also wasn't always facing the right way...
 - We can use SDL_RenderCopyEx instead of SDL_RenderCopy to horizontally flip our sprites to be facing the right way