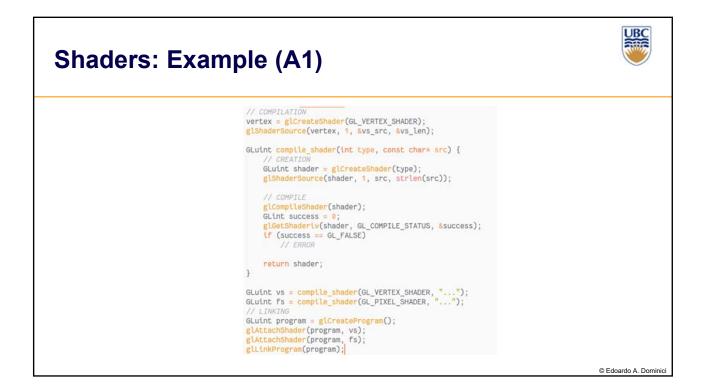
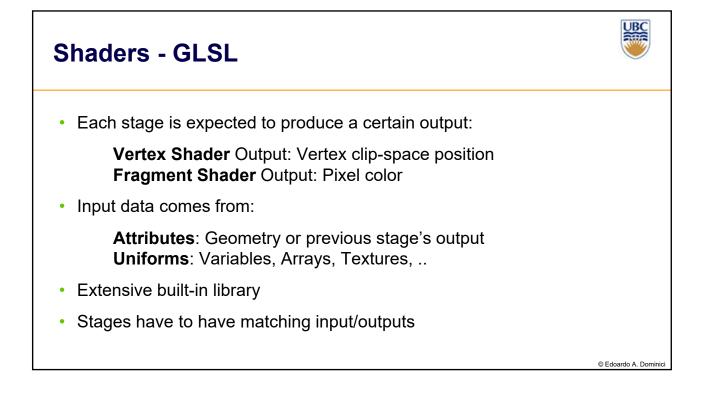
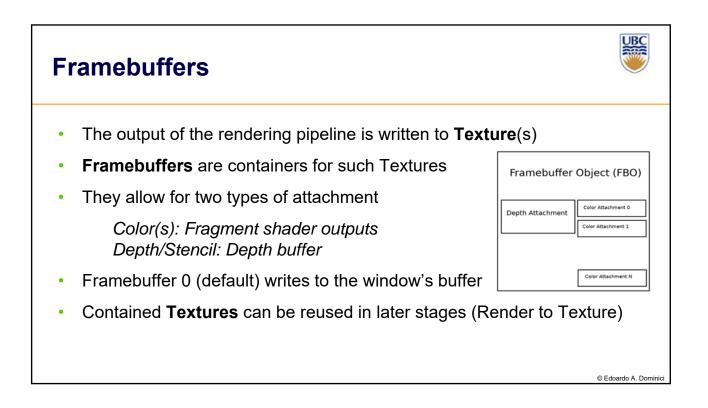


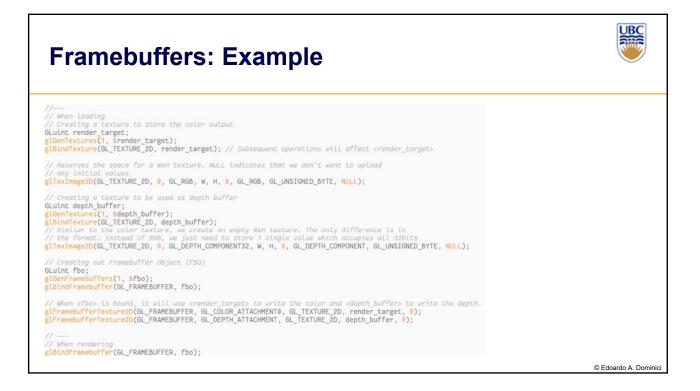
Shaders Custom code which runs on the GPU at different stages Requires compilation and linking Linked into a single Program (Vertex Shader + .. + Pixel Shader) Standard lifecycle glGenShaders() glDeleteShaders()

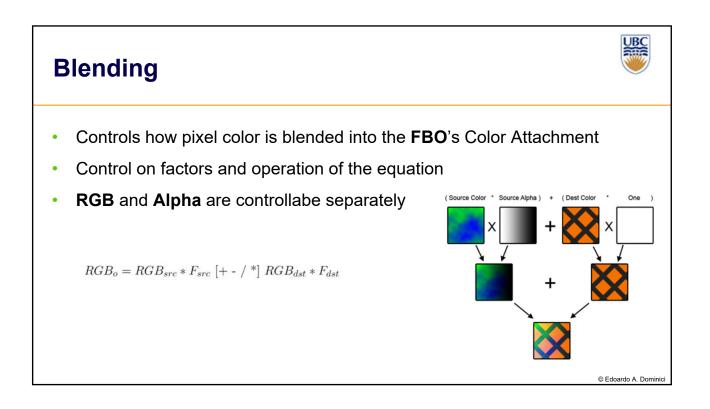


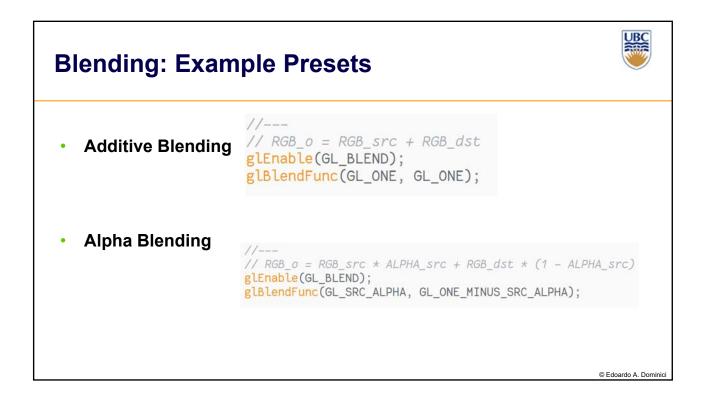












UBC

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A few examples

- Sprite Sheets
- Render to Texture
- Particle Systems
- Post-processing Effects: Bloom

Sprite Sheets
Compact (and fast) approach for 2D animations
Every frame only a region of the original Texture is rendered
Texture Coordinates are updated as clock ticks
Does not require dynamic VBOs

