James, Francis

fjames003 / frankiejames80@gmail.com

Standards Development Report

		HW 0119	HW 0204	HW 0225	HW 0308	HW 0329a	HW 0329b	HW 0428a	HW 0428b	So Far
1	**Represent, model, and create visual information digitally.**									
1a	…in terms of pixels and geometric primitives.		+							+
1b	…in terms of polygon meshes: vertices, edges, and faces.									
1c	…as a composition of multiple discrete objects (scenes).									
2	**Manipulate and display visual information in 2D and 3D.**									
2a	Apply transforms to 2D and 3D objects.		|							|
2b	Project 3D objects onto a 2D viewport.									
2c	Perform color and light computations.									
2d	Be familiar with established algorithms such as clipping and hidden surface removal (HSR).									
3	**Use and develop computer graphics APIs in both 2D and 3D.**									
3a	Develop a library of 2D and 3D objects.		|							|
3b	Animate scenes in 2D and 3D.									
3c	Perform bit-level color manipulation.									
3d	Render a 3D scene using programmable shaders.									
4	**Follow academic and technical best practices throughout the course.**									
4a	Write syntactically correct, functional code.		+							+
4b	Use coding best practices, demonstrating principles such as DRY, proper separation of concerns, correct scoping of variables and functions, etc.		+							+
4c	Write code that is easily understood by programmers other than yourself.		+							+
4d	Use available resources and documentation to find required information.	+	+							+
4e	Use version control effectively.	+	+							+
4f	Meet all designated deadlines.	+	+							+

Totals

+	7
|	2
/	0
–	0
O	0