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- OpenGL has multiple forms for many - In OpenGL, we often use basic OpenGL functions. types, such as · The variety of forms allows the user to select · Glfloat and Glint the one best suited for their problem. · rather than C types float and int • For a vertex function, we can write the general - So, in our application, the following are form appropriate - qlVertex* • glVertex2i(Glint xi, Glint yi) where * can be interpreted as two or three characters of the form nt or ntv • GLVertex3f(Glfloat x, Glfloat y, Glfloat z) • n signifies the number of dimensions (2, 3, or 4) - And if we use an array to store the • t denotes the data type (I for integer, f for float, d information for double) • and v if present, indicates the variables are • Glfloat vertex[3]; specified through a pointer to an array rather than through the argument list. glVertex3fv(vertex); Chapter 2 -- Graphics Programming CS 480/680 CS 480/680 Chapter 2 -- Graphics Programming 9 10

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- The historical development of graphics API's and graphical models illustrates the importance of starting in three dimensions.

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