Column Major Matrix

$$\begin{bmatrix} a_{00} & a_{01} & a_{02} \\ a_{10} & a_{11} & a_{12} \\ a_{20} & a_{21} & a_{22} \end{bmatrix}$$

Memory Layout:

$$\begin{bmatrix} a_{00} & a_{01} & a_{02} & a_{10} & a_{11} & a_{12} & a_{20} & a_{21} & a_{22} \end{bmatrix}$$

Row Major Matrix

$$\begin{bmatrix} a_{00} & a_{01} & a_{02} \\ a_{10} & a_{11} & a_{12} \\ a_{20} & a_{21} & a_{22} \end{bmatrix}$$

Memory Layout:

$$\begin{bmatrix} a_{00} & a_{10} & a_{20} & a_{01} & a_{11} & a_{21} & a_{02} & a_{12} & a_{22} \end{bmatrix}$$