Exercise 1 Let $\overrightarrow{\mathbf{v}} = \langle 3, 7 \rangle$. Find the unit vector $\hat{\mathbf{u}}$ in the direction of $\overrightarrow{\mathbf{v}}$.

$$\hat{\mathbf{u}} = \left\langle \left\lceil \frac{3}{\sqrt{58}} \right\rceil, \left\lceil \frac{7}{\sqrt{58}} \right\rceil \right\rangle$$