



Nia Pollard

Since quantum computing delves into the realm of particles, it is very closely tied to the field of chemistry. Chemistry studies what **molecules** and substances are made up of, how they react with each other, and how we can create new ones. So, it is natural that scientist Nia Pollard's journey intertwines chemistry and quantum computing. Her work enhances classical computing methods with quantum computing simulations in order to help discover new materials. Some molecules can be really complicated, so by using quantum computing, Pollard can explore many possible ways that atoms can arrange themselves to create new materials much quicker than just by using classical computers. Discovering new materials can push technology to new limits and revolutionize industries. Pollard is showing one of the real-life applications of quantum computing and paving the way for other scientists to combine quantum computing with their work.