Abstract: In the world of science, choosing a path isn't always straightforward. The first segment of this presentation delves into the intricacies of a mathematician's career path. We explore the myriad questions, challenges, and decisions encountered when contemplating a life within the academic halls or steering towards other avenues. Transitioning to the second half, we'll dive into how geometry plays a role in different areas of science. I will share insights from my recent research endeavors, illustrating how geometric concepts offer a unique lens to comprehend phenomena, whether they span the minuscule scale of viral architectures or the expansive dynamics of molds and societal patterns.