

## ARTIST STATEMENT

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There is an enduring relationship between the studies of science and art. Both are a means of precise investigation, that which involves inquiry, observation, interpretation, and technique. Whether in the scientist's laboratory or in the artist's studio, there exists a process of trial and error, doubt and discovery which allows for questions to be answered regarding the outside world.

In Leonardo Da Vinci's time, when the relationship between art and science was poorly understood, much of Da Vinci's findings went unnoticed until many years postmortem. Despite his lack of a formal education, Da Vinci's interests in the sciences and inventive imagination foraged novel mechanical designs and mathematical models. Like the ideal Renaissance Man, his interdisciplinary studies spanned across various fields, such as art, architecture, music, science, mathematics, anatomy, geology, and botany. One of Da Vinci's famous drawings, "Vitruvian Man," reflects the prototypical intersection between art and science—a visual representation of his profound understanding of proportion and Da Vinci's attempts to relate nature to man.

Da Vinci has served as a great inspiration to me as both a scientist and an artist. The cover design alludes to the connectivity of various areas of research and inquiry and the relatedness of each of them to one another. Having no prior familiarity or formal training with graphic design software, I initially struggled with the application of my conceptual sketches to a technology-based canvas. However, my longstanding interest in the arts, my passion for the sciences, and keen determination to apply the two in a variety of facets has served as a perpetuating source of personal development. As a current undergraduate researcher, I have labored with my science in a similar fashion with which I labor with my art. There is a period of questioning, followed by thorough experimentation, and eventually, innovation. Through these efforts, I am challenged in unprecedented ways, I grow through both my failures and my successes, and conclusively, contribute to a cause that is bigger than myself.

Study the science of art; Study the art of science.  
Realize that everything connects to everything else.  
As Da Vinci once stated,  
"To develop a complete mind: Learn how to see."