Recently, I took some introductory courses in data science and marveled at the infinite possibilities that lie in this emerging field. During classes, I collaborated with my classmates on a case study about identifying and categorizing coins using computer visualization methods. Eventually, we finished a paper titled “Brazilian Coin Counter Research Report,” discussing a model we designed based on the AlexNet Convolutional Model. This valuable experience significantly expanded my knowledge as I gained a fundamental understanding of data collection, data classification, and the Convolutional Neural Network models. Moreover, working on this academic project enlightened me to see the importance of absorbing knowledge of linear transformations and matrix factorization, especially in real-life applications. More specifically, I came to understand that mathematics and statistic theory are the “cornerstones” of Artificial Intelligence and Machine Learning. It inspired me to further my studies at college and put my theoretical knowledge into practice.