

To whom it may concern,

I am Maxwell Almeida, a recently graduated senior who took Dr. Kumaresan's Digital Logic Design class. I firmly believe that this class exemplifies Dr. Kumaresan's remarkable ability to imbue genuine passion for learning and knowledge. Digital Logic Design proved to be a robust learning experience with a balanced curriculum that included both lectured-based lessons and designated lab periods. Personally, I found that I was able to explore the concepts we had learned in days prior to the fullest extent that I desired. Dr. Kumaresan was a superb resource in this, and his explanations revealed the underlying causative factors. This class has filled a niche that is underserved within the Scarsdale High School course offerings. It provides a fantastic overview of electrical engineering and the reasoning behind digital logic design. It is also a logical continuation for topics within the 913-level computer science. Boolean algebra had fascinated me when I had taken that computer science class but there was no immediate next level class that I could pursue towards that interest. In my opinion, Digital Logic Design fulfills that role for that class as well as for others, such as the introductory class for electrical engineering. I remember one lesson in particular about the IEEE 754 standard and the encoding of a single precision floating point number. For me, this perfectly contextualized my computer science knowledge as we analyzed each bit that composes a floating-point number. I can confidently say that I have not had an experience such as that in any other class I have taken in Scarsdale High School. The attention to detail and nuance that Dr. Kumaresan has and instills is unparalleled to any other computer science or engineering teacher that I have had. The many tangential topics and techniques that proved instrumental as they appeared in other subjects, such as linear algebra which proved instrumental within AT physics. I believe that it is more accurate to encapsulate my time in the class as invested, not spent, because the things that we were learning were directly applicable and observable (once we understood the underlying concepts) and thus both rewarding and enriching. This class is both valuable and truly unique and lives up to any and every expectation that I had.

Maxwell Almeida

SHS Class of 2022