Having majored in statistics as an undergraduate and completed my first graduate program in quantitative finance, I am deeply aware of the ways in which computer technologies are able to transform and empower traditional industries by efficiently processing large volumes of data, handling extremely complex logic and making optimal decisions. With that said, in my practical experience, I have found that there still exists tremendous room for growth in these emerging fields. Taking quantitative finance as an example, the current factor library of China's A-share market still lacks key metrics pertaining to the emotional factors influencing stock investors. If the Natural Language Processing (NLP) technology can be used to accurately identify the attitudes of investors and to better grasp overall market sentiment, the performance of many existing models can be substantially improved.

Yet, due to the particularity and complexity of Chinese, the current Chinese NLP technology is far less mature than that of English, and there is still much to be done before any improved iteration could be rolled out. Seemingly, with every passing day I arrive at some realization that reinforces the depth and sophistication of this field, which in turn only impels me to systematically master the underlying principles of computer science and acquaint myself with its more advanced technologies. I feel certain that, upon completing your CSA program, I will be able to capitalize on my interdisciplinary background in making long-lasting and forward-looking contributions to various industries and hopefully leading the creation of a more intelligent future.