1. Why is it important for Computer Engineers to have both hardware and software knowledge instead of specializing in only one?

Knowing both hardware and software for computer engineering is important due to the nature of this program incorporating electrical engineering and computer science. To know the underlying components that make computers function, one must understand how system components start up, process, and execute code from the data stored in memory. By having knowledge of both, you broaden your learning of the fundamental and constantly advancing designs and concepts in computers.

2. Aside from technical knowledge, which personal qualities do you think are most important for an engineer to succeed in the real world? Why?

One of the most important personal qualities to succeed in the real world as an engineer is adaptability. Technology changes and evolves throughout time in the least ways that we can predict. It constantly develops and changes the industry time and time again. Adapting is a part of how technology develops. It adapts to society's needs and wants. In order for technology to make change, it starts with those who are willing to know and create solutions.