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Midterm Part 1

This interview of Leonard Kleinrock was very interesting to read. Again, without his contribution to computer science we would not have experienced the internet like it is now. Reading this article reminded me of my experience talking to someone who helped contributed to Computer Science as well. The reason that I got into Computer Science is now a 21-year-old game called Battlezone II: Combat Commander. When I played it for the first time, I felt that I was transported to another place and I got to escape "Earth" for a bit. That feeling that I had at that time is something I want to give to others. Almost two years ago, I got the pleasure to meet two of the original developers of that game. One of those developers attended M.I.T just like Leonard Kleinrock. Just like the reporter in the article asking a lot of interesting questions, I did the same thing. As a result, just like Leonard Kleinrock, I have a much larger appreciation to Leonard Kleinrocks contributions to Computer Science and to both of the two developers I met as well. They all did the hard part in getting my generation rolling into the next technological advancements.

As Leonard said "I think there is an enormous amount of exciting work to be done in networking and distributed systems in general. For example, areas that are in need of innovation, research, and development include IoT, distributed ledgers, the introduction of biologically inspired principles to networking (and engineering in general), distributed intelligent systems, advanced network architectures,...." I completely agree with his statement because there are things that are involved with the internet that are perfected whereas other areas are not. One development in the IoT field is smart mirrors. For about six to seven years ago, making smart mirrors with a Raspberry Pi was revolutionary and the average tinkerer was doing it. Now we have companies making this IoT product mainstream like in home fitness smart mirrors. I think it is wonderful and crazy how something simple like a smart mirror becomes main stream just like Leonard's vision of the internet. Towards the end of the article, I feel that he feels like the internet is kind of like his own kid. At the moment right now, he feels that his kid is being "censored" in a negative way. I agree with this because 1e should not be greedy about what information is being shown to the masses. What we should do instead is more of giving the masses tools to successfully analyze and critique that information. That information can be anywhere from fake news, different political ideas, climate change, world events, etc. What inspires me about this article is that Leonard didn't settle for something easy. Leonard kept going with his academic career and gave us something that we cannot live without. Does that I mean I will pursue my master too? Maybe not at this time but it does inspire me to go extra with my passion projects and make them as if they are real products that everyone can use and implement. Another interesting aspect of Leonard's career that I thought was really cool is that he was there to meet Farouk Kamoun's. His "thesis introduced and showed the enormous benefits of hierarchical routing, which we see in OSPF areas today." Which also known as the Open Shortest Path First algorithm. This algorithm and Enhanced Interior Gateway Routing Protocol also known as (EIGRP) are algorithms I heard nonstop when I took my Cisco networking classes at my Junior College. I think both are really good and are really handy when you need to decide on how you want to design your network from the ground up.