

Battle of the Brains

Rohith Perumalla | 10/30/16 11/5/16

Over the past week, I've been learning about router basics, began designing my Independent Study Mentorship display board, and competed at the University of Dallas's Battle of the Brains High School Computer Science Competition. I learned about the main differences between IPv4 and IPv6. IPv4's 4.3 billion addresses ran out a few years ago while IPv6 is supposed to provide around 340 undecillion addresses. I also learned about the anatomy of the router and how it functions within a local network and its primary job as the default gateway. I also learned about routing bootset files and how they are involved within the bootup process. I also began the process of designing my display board for the Independent Study Mentorship program; I've been thinking about integrating a hologram into my board. This week I also competed in the University of Dallas's Battle of the Brains High School Computer Science Competition, a computer science contest where students get 3 hours to solve as many given problems as possible. This competition I competed in the advanced division, and with my team solved 5 of the 10 problems in the problem set. After we had completed the competition we went to the auditorium to find out about the results. We had placed 8th overall out of over 100 advanced and novice teams. I look forward to competing again in the Spring semester and hopefully placing in the top 3. Overall this week I learned a lot about routing, began designing my display board, and placed 8th at the University of Dallas's Battle of the Brains High School Computer Science Competition.