

Focusing My Research

Weekly Report 11/6/17 to 11/12/17

During this week I was given the rare opportunity to meet with Dr. Taeyul Choi, the associate professor of mechanical and energy engineering at UNT. During the interview I learned quite a bit about the various applications and uses for FDM printing as well as the various improvements in the strength and mechanical properties of FDM printing as well as the job outlook of mechanical engineering as a whole. Dr. Choi and I discussed how the utilization of carbon nanotubes and other nanomaterials in 3D printing filament could greatly increase the strength of printed parts while simultaneously maintaining its properties as a filament during the printing stage. This interview also focused primarily on my topic of additive manufacturing and provided an insight into various other research topics such as nanomaterials with which I could conduct further research on. In addition to interviewing Dr. Choi, I also focused primarily on my portfolio and presentation for my upcoming research presentation the following week.

Throughout the week I found myself having the arduous task of having to travel to the printer time and time again to retrieve pages upon pages of research assessments, interview assessments, weekly reports, and various other pages related to ISM. This week was also quite a hectic one as I found myself having to find creative ways to balance both schoolwork in other classes as well as work in ISM, but I still managed to stay focused and pull through. In the following weeks, I will have to become more focused on how to apply my current research to my original work idea as well as conducting further research on my topic to broaden my study.