

NYU SPS Internship - Simon

Your capstone plan should include the following:

- Introduction about the capstone and how it is related to LA/EDM

The final goal of the NYU SPS internship is to create a comprehensive strategy to improve students learning experience both inside and outside the classroom. Based on the current situation of the student experience, we need to decide how we should evaluate their current experience and improve it.

This topic is pretty straightforward and related to the LA because we need to use LA techniques to get data and analyze it to improve the student experience in higher education. More importantly, we have to design a system including what data to use and what data to collect including privacy issues. There are some good examples we could deploy, like in SNUH, they have a very detailed and meaningful discussion about students' data. Basically, we are designing a new and better system to serve students and assist them to reach higher achievements. We will adapt learning data analysis skills and learning behavior psychologically analysis to give a recommendation.

- Any additional preliminary details of your capstone project

As I mentioned above, there are a lot of useful resources and successful models we could learn, because there are some existing discussion about the higher education system. Like in Southern New Hampshire University, the process of building the students system including student data to collect is public with recording of their discussion.

After conducting some research, Dr. Hui Soo gave me some questions to think about. It's very clear during this internship, tasks and research skills, regular meeting with Dr. Hui Soo, etc.

- Timeline: Usually 4-8 weeks. Do not try to overstretch yourself

Plan is researching on the related topics, then Dr. Hui Soo COULD give me some real data to conduct the data analysis as he said, but it depends on the first step. We will see how it is going and decide what to do next.

When the first general topic is done, he said we could extend our scope to classify all the classes and extend the analysis to different activities, because the students' experience is not limited to the learning experiences, so it is a general topic.

- Division of Labor: If multiple people are working on one project.

N/A

- Deliverable(s) at the end of the capstone: The deliverables can be flexible. It may be a written report, a presentation, a video, reproducible codes, a data warehouse, etc. The purpose of the deliverables is to demonstrate what you have done.

My ideal plan is to show the real change of students' experience in NYU SPS by showing the key data and survey(?), also I will give a presentation of what I have learned and applied in this internship. For sure, if the designing process is reproducible, I would like to share the codes and everything to build a student system.

Solving a single problem is easy, but hard to build a holistic system. Well, I know my limits but I am more than willing to learn.