**Project Notes**

Questions

- For prof

o Training/cloud credits – can we get access to them?

§ Recommended system for training

* <https://colab.research.google.com>
* If we need more send prof an email, he will check with NCSA for higher cluster (<https://wiki.ncsa.illinois.edu/display/ISL20/HAL+cluster>)
* Kaggle also has Jupyter platform with more GPU than Colab

o Loss function

§ Can we implement this using existing PyTorch loss functions or should we do it manually?

* Yes, we are free to use all premade functions/packages online

o ResNetX implementation

§ Do we need to do this manually as opposed to using existing PyTorch modules?

* Same as above

§ A model with X sequential layers of Res blocks

* Same as above

o Any existing resources that implement some of the specified functionality for us?

* Same as above

o Where is the camera info in the data set?

* Can be explained in meshobj.py

o Ambiguity in the data.txt file

* fraction of the mesh visible (last float in each line in data.txt), not necessary for our purposes

- Just for us

o FPN – how to implement this (in PyTorch)?

o What is the visibility map for?