**Objectives:**

1. Run a demo model in the cloud / on Linux machine using NVIDIA DeepStream.
2. Optional: Run this demo model on a Raspberry Pi.
3. Replace the demo model with a custom model (SSD MobileNet or YoloV4) and run it on cloud / Pi.
4. Create an in-depth documentation of how to replicate this procedure.

**Schedule Plan:**

* Week 1 (7/18 – 7/22): Install NVIDIA DeepStream, find a good tutorial, and get a demo model to work on the cloud / on Linux.
* Week 2 (7/25 – 7/29): Run demo model on Raspberry Pi and try to use custom model as well. Try out [TFLite on Pi](https://github.com/EdjeElectronics/TensorFlow-Object-Detection-on-the-Raspberry-Pi) and make the SSD MobileNet / YoloV4 model from Mica data.
* Week 3 (8/1 – 8/4): Polish up documentation and debug any errors.