**Report**

**Design Choices**:

* **DENSE**: Deciding the parameters for SGBM stereo (researched and tested). As well filterspeckles integrated into SGBM by specklewindowsize and specklerange. Preprocessing done to images to reduce photometric variations between the images
* **SPARSE:** Implementation of Sparse Stereo. Discuss feature matching, padding, etc
* Changes to YOLO
* Filtering of images before and after use

**Performance:**

* Quantitative: Show examples of it working
* Qualitative: How well does it work? (Use stationary objects, google maps for distances)
  + E.g. Based on representative subset of N examples, this approach worked XX^ of the time for the detection of Y regions
  + Show it working well for detecting objects, distances

**Comparison**:

* Comparison between Sparse Stereo and SGBM stereo
  + Comparison of speed/accuracy
  + Which is more correct
  + Do they both work to some degree
  + Quantitative and Qualitative