Our General Project idea:

Currently, our project is based on creating a 3D printer that first scans the environment using 3d scanning equipment that is attached to the printer and then printing a repair to fill a hole or whatever is necessary. Ideally, the printer would be portable and have different printing head with the capability of printing on uneven surfaces.

Things to research/areas of project focus:

* Concave 3d printing
* Reducing print-head size
  + Maybe having multiple heads
* Cost-benefit analysis for the project
  + Costs (time, risk, monetary) of sending an astronaut into outer space
    - For evaluating why we would need the project to be created in the first place (why bother making this thing)
  + Satellite servicing
    - How much has NASA poured into automating satellite servicing
* Lidar
  + Possibly scanning on end effector
* How to turn scans into 3d models in CAD format to be printed?
* Successes/failures of the Canadarm program
* Is 3d printing even effective on satellites? Rovers?
* Anyone good at graphic design? Pls draw this:
  + 