Weekly Report

1. **My *Goals* from last week**
   - Hopefully get to test the LED's since *Blinksticks* are ordered from the United Kingdom.
   - Have a set idea on how we want the debugging LED's to work.
     i. Have different patterns and colors for each rover state.
   - Have a steady plan for the debugging audio
     i. Implement and test

2. **My *Accomplishments* this week**
   - Used *.wav* files for debugging audio on the rover
     i. Used notes from the G pentatonic scale.
     ii. Added distinct *.wav* files for pickup and dropoff state.
     iii. Tested the audio on the rover
   - Tested the *Blinkstick* on Windows and Ubuntu.
     i. Use python to run *Blinkstick* code.
     ii. https://github.com/arvydas/blinkstick-python
     iii. need to install pip: `sudo apt-get install python-pip`
     iv. use pip to install blinkstick: `sudo pip install blinkstick`
         1. use command line or .py files to run *blinkstick*.
     v. Make sure you have Python 2.7.9+ in order for blinkstick to work.
   - Helped David film a video of our debugging audio in action.
     i. https://www.youtube.com/watch?v=G-WA-Zpx5n4

3. **My *Goals* for next week**
   - Test *Blinkstick* outside to see if lights are bright enough.
   - Develop patterns for the *Blinkstick* that associate with each rover state.
   - Need to finalize 3D prints for *Blinkstick* support braces on the rover.
   - Need data set of images from the rover for machine learning.

4. **What I need Dr. Becker to do**
   - Have a follow up meeting at the end of the week to discuss progress.