

Weekly Report

My Goals from last week

- Have rover fully working with LED debuggers.

My Accomplishments this week

- LEDs are running, but still not fully implemented.
- Made and print a speaker mount.
- Tested LEDs and speakers outside. They can be seen and heard from 50ft/15m, but are very faint.
- Created a bit shifting function that can display any light pattern given a bit sequence.
- Redesigned LED mounts. Will now be a halo above the rover since the LED strip cannot handle sharp bends.

My Goals for Next week

- Fully implement LEDs into Swarmathon code.
- Order parts for building more rovers.
- Code rovers to save pictures to files for machine learning.

Needed from Dr. Becker

- Submit a progress report for the DREU program I'm in.



