Weekly report

1. **My *Goals* from last week**
   1. Test lever arm
   2. Make assembly object for kilobots
   3. Get data
   4. Process data
   5. Start writing
2. **My *Accomplishments* this week**
   1. Project 1: < Physical Experiments>
      1. Created an assembly object
         1. While we have had a rectangle to assemble for a while I have scrapped that as we realized it can get stuck in the corners
         2. Created a new hexagonal object
         3. One side is pink and one is green so camera can process it
      2. Ran test with new lever arm
         1. Calibrated some robots, realized robots don’t go straight with go straight code even right after calibrating
         2. Lever arm that prevents robots from turn by holding them by hook is not showing a significant difference. Results from June 20th shown below:
            1. Trial 1 15 min: 15 degrees
            2. Trial 2 15 min: 18 degrees
            3. Trial 3 15 min: 19 degrees
            4. Trial 4 30 min: 25 degrees
         3. June 19th we also did trials but with varying robot amounts, Shiva was not happy with them unless they were over 50 as she said the difference between pushing at the end and pushing in the middle was not significant enough.
   2. Project 2: < Paper >
      1. Used amazon mechanical turk to get data
         1. Made the account on my information
         2. Accepted the result information of only 110 people out of the 300 who tried to do the HIT because they did not follow the instructions
            1. I am getting a lot of angry e-mail about this that I’ve stopped reading because it is too stressful
            2. I think I am getting rid of that e-mail
            3. I hope these people don’t try to do something to our website or your guys’ information because they are angry we didn’t pay them
         3. I need to get reimbursed for this but how do I do this?
      2. Updated the related work section so there are no longer TODOs
      3. Updated the Methods section to reflect the 4 new games
   3. Project 3: < Other >
      1. Gave Jarrett the code for the automatic bucket shaking machine I designed
      2. Hosted GRADE camp girls
         1. Advertised robotics class and IEEE to camp counselors
         2. Realized we needed to set up earlier next time
3. **My *Goals* for next week**
   1. Write more for the paper
   2. Get more data
4. **Needed from Dr Becker**
   1. Enjoy your vacation.