Weekly report

1 My *Goals* from last week

- Literature review
- Platform setup

  Install Windows

  Debug Henry's program

2 My *Accomplishments* this week

More details of our schedule and accomplishment are available at https://docs.google.com/document/d/1DhvBMiaWoIwedYeeiF_WC4yBT6tN3jgArNQboucNOvI/edit?usp=sharing

2.1 Platform setup

- Tried to figure out hardware connection on Ubuntu
- Installed MATLAB on lihuang account on Linux Ubuntu

  sudo su -c find / — grep jre to find out the right path similar to /usr/lib/jvm/java-7-openjdk/jre/

  Run the following command in MATLAB top layer folder ./install -javadir /usr/lib/jvm/java-7-openjdk/jre/

  Installed Arduino support package

  Installed IEEE1394 support package

  Updated all drivers on Ubuntu
- Map ttyACM0 to ttyS101 before starting MATLAB (available in Henrys program)
- Installed Windows 8.1 Pro on the desktop

2.2 Git branch Tutorial

Summarized a brief tutorial for git branch and workflow, available at https://docs.google.com/document/d/1DhvBMiaWoIwedYeeiF_WC4yBT6tN3jgArNQboucNOvI/edit?usp=sharing

2.3 Literature review

- Becker, A., Demaine, E. D., Fekete, S. P., & McLurkin, J. (2014, May). Particle computation: Designing worlds to control robot swarms with only global signals. In Robotics and Automation (ICRA), 2014 IEEE International Conference on (pp. 6751-6756). IEEE.

2.4 Programming

- Try to program a particle swarms animation m file without particle overlap in a binary image.