

Weekly Status Update - 08

Team Members:

Calvin: Communication lead, meeting facilitator, and hardware/software dev

Sam: Communicator, meeting facilitator, and Software Engineer

Mitchell: Technical Lead

Douglas: Hardware Lead

Past Week Accomplishments:

Calvin, Mitchell, and Douglas took the machine-room training course so that they could begin work on the rover body. Calvin began laser cutter training so that custom acrylic body parts could be fabricated.

A basic data visualization architecture was designed. The data visualization will be shown on the frontend. The library chosen to use was chart.js for graphing. It will chart each sensor's data on the graph, and the sensor data will be sent from the python backend to the React frontend via websocket.

Talked to Lee Harker about water jet cutting and possible CNC milling for parts if necessary w/ provided JPL files.

Pending Issues:

N/A

Individual Contributions:

Team Member	Contribution	Weekly Hours	Total Hours
Sam Westerlund	Started working on data visualization that connects to the frontend.	4	41
Calvin McBride	Took machine-room training course with Mitchell and Douglas. Started laser cutter training.	6	36
Mitchell Freshour	Took machine-room	7	40

	course with Calvin and Douglas. Went to hardware meeting to help sort parts and test motor boards and possible calibration steps necessary.		
Douglas Kihlken	Bought baggies for putting parts together by rover section. Printed the build docs out and began to label each parts as "found, in the right bag", "not found", and "equipment that doesn't go in the bag", then putting the assembly papers and parts list into their bag.	3	28

Plans for Coming Week:

Calvin will finish laser cutter training and start using it to fabricate custom body parts for the rover.

Sam will continue to work on the data visualization aspect. Plans to have a big page with all the sensor data was made, and also individual pages for each sensor. This data visualization will be implemented with Websockets and use chart.js as the visualization tool.

Mitchell will build and begin testing on drive and corner motors.

Douglas will continue to organize and catalogue parts since it seems some parts are missing and we will need to index every part to see what is missing so it can be ordered.