

6.S078 Update

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1 Plan Progress

The plan has not significantly progressed since the last update. We applied to the Founders' Skills Accelerator, and are meeting with the Bolt founder on Thursday to discuss that accelerator. We haven't written in updates on future team status, so that may be valuable information to include. Craig, Troy, and Gus are all committed to working during the summer (Turner has a previous commitment), and Troy is planning on working continuing full time work into the fall. We believe we need to recruit an additional programmer for the summer (and hopefully beyond) in order to ensure that software won't be a bottleneck on prototype development. We are planning on waiting until we hear back from accelerators before recruiting this additional programmer, so that we can recruit from a stronger position.

On the suggestion of Professor Gifford, we're going to put together a five year financial model. That should both add a valuable perspective and be fun.

2 Prototype Progress

On the software side, we've had some difficulties integrating with the Point Cloud Library, which stalled our advance on point cloud processing for a time. We've mostly overcome those at this point, and are moving forward with point cloud cleaning, meshing, etc. Because of this delay, we don't have a scan visualization to show (we had hoped to), but should by next week.

On the hardware end, we've ordered some gratings and LEDs, and some CMOS arrays to build cameras on top of.

3 Baffling Variables

Execution is still number most significant.

In terms of forward progress, the best way to go about finding another team member is a bit of a question. Since we decided to wait on accelerator applications before starting, we haven't thought particularly hard about it yet, but it could be perplexing. It seems the best options would be to find an friend or friend-of-a-friend, or to email out to CSAIL find someone there. One currently confusing issue is whether it is a good idea to wait to recruit until accelerator decisions are made. On the one hand a more secure funding situation would be more attractive to more people, and so may expose some better candidates. On the other, the longer we wait the more people are committed to other positions.

4 Seven Day Plan

- Make a 5 year financial model.
- Continue software development, focusing on meshing and visualization, and then swept-plane scanning if those are complete
- Test if basic grating option will work for projection (i.e. see whether it creates lines with a dark enough contrast)
- Continue embedded development (integrating cameras with microcontrollers)

5 People to Meet

N/A

6 Desired Resources

N/A