

Milestone 1/30/2019

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Major changes:

- The largest anticipated change is to our haptic interface. Me and another collaborator, Alex Baikovitz, met with Professor Roberta Klatzky, who gave us a lot of feedback about the direction that we're taking our project. We'll be discussing her feedback on January 30th and possibly changing the directions in which we'd like to take the project.
- We're also planning to submit a position paper to the 2019 CHI workshop, Hacking Blind Navigation. This is shifting our focus away from the construction of the project.
- We're using a different sensing platform, Intel's RealSense camera, because the ZED camera ultimately required too much processing power for us to use.

So far:

- We got a SURG/CW grant of \$2,000 and have purchased most of the materials we will need.
- I've acquired an Intel RealSense and have started developing with it.
- We've written a first draft of the CHI position paper.
- We met with Professor Roberta Klatzky about haptic interfaces.

Milestone: We have not met our February 1st milestone, as a result of the many changes made to and anticipated for the project. Unfortunately, the due date for this report falls just before our project meetings with our advisor, so I can't propose concrete alternative milestones here.

Surprises: There have been a number of major surprises.

- The Intel RealSense is actually a pleasure to use, and this will make developing software easier than I first expected.
- We might be going down the wrong path in terms of how we expect our users to understand their surroundings.

Looking Ahead: We're planning to focus on the CHI position paper, as well as more work on the system.

Revisions to further milestones: We will likely be revising future milestones, but I do not know how yet.

Resources needed: We don't need any new resources right now.