Winter Progress Presentation

DEPTH SENSING USING COMPUTER VISION AND LIDAR

Prepared By: Lucien Tamno

Oregon State University

Wednesday 21st March, 2018

The DSCVL Project List Description

Recaps	:	The project purpose and goal
status	:	The current stage on the project
barriers	:	Problems impeding the project progress
solutions	:	solutions to overcome the current barriers
History	:	Retrospective of the past 10 weeks

The project purpose and goals

1. Midterm winter progress report recap
2. The last two to three weeks of the progress

The current status of the project

- Frontend: GUI Python
- Backend OpenCV capture Video and storage frames
- Initial graph of data from the Lidar Scanner (array of data)
- Functions to trace object movements with the lidar device

Problems impeding progress

- experimental Tests needed to assert lidar data.
- combination of data from the lidar and the webcam
- Problem of the appJar library documentation

Attempted Solutions

1. Usage of the python tkinter library
2. Future Use of the Euclidean distance functions

retrospective of the past 10 weeks

1. descriptions of preliminary results present
2. description of first user study and results
3. images of the project and screen shots

END