Biweekly Research Progress Report

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Period	:	Week 9
WBS	:	1. Point Cloud Development and Vector Estimation

Research Results in This Biweek

- Only Point Cloud data in Oriented Bounding Box are extracted and filtered by SOR.

- After it, estimate the parallel axis and side vectors based on PCA (Principal Component Analysis).

- Successfully reached the side of pallet with a robot arm
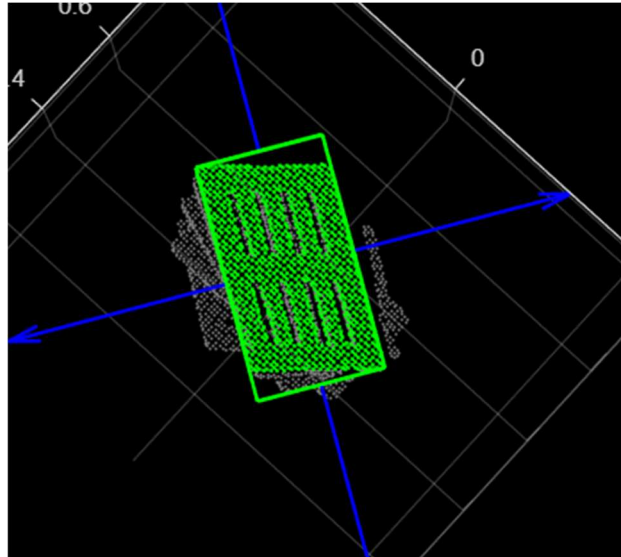
Research Items in Next Biweek

1. Pick and place in simulation

Issues and Overall Progress

- Fluently processing
- More tasks should be research(e.g. reinforce learning)