

# Team 3

## Maze Buster

### 2nd update



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— Mechanical Engineering  
— Computer Science Engineering  
— Computer Engineering  
— Mechanical Engineering



### Progress from last week

- Hardware
  - We designed and order needed parts for assembling our car and lidar
- Software
  - Able to move around jetbot with ROS package
  - Wrote working nodes to read lidar feedback data
  - Able to avoid obstacle based on that data





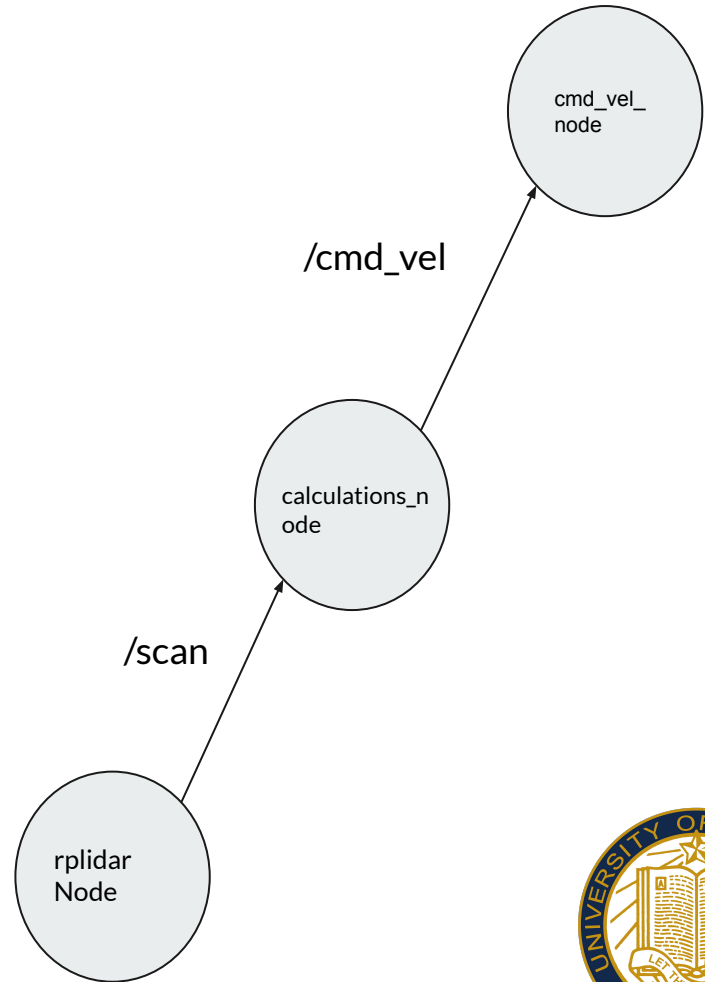
### Plan for this week

- Assemble the robot
- Test current ros package on assembled jetbot
- Write algorithms to navigate in maze
- (Nice to have) test out mapping and localization Ros package Dominic mentioned on Basecamp





# ROS Architecture





# Plan for next week

- At least have an MVP working (Robot can solve the maze autonomously)
- Learn about localization and mapping
- Learn about SLAM algorithms
- Implement SLAM algorithms



