

Introduction to System Architecture and Safety Measures



==

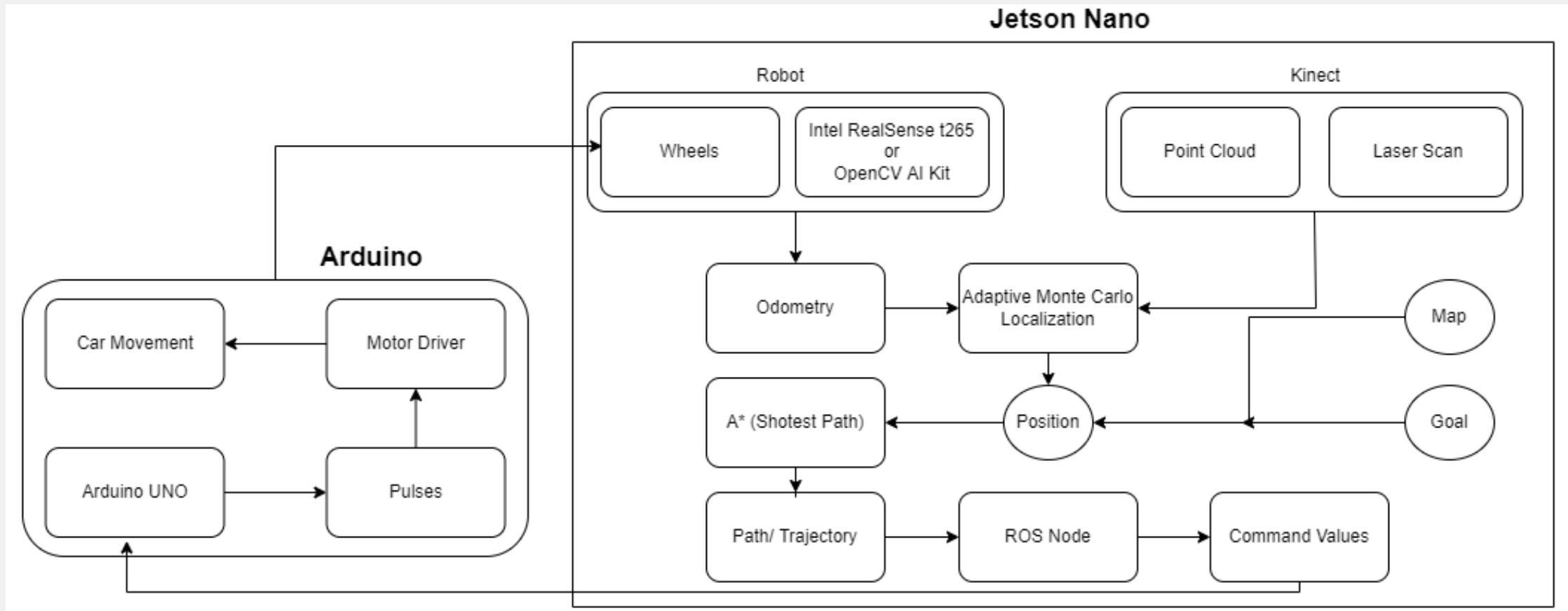
Overview

- **System Architecture**



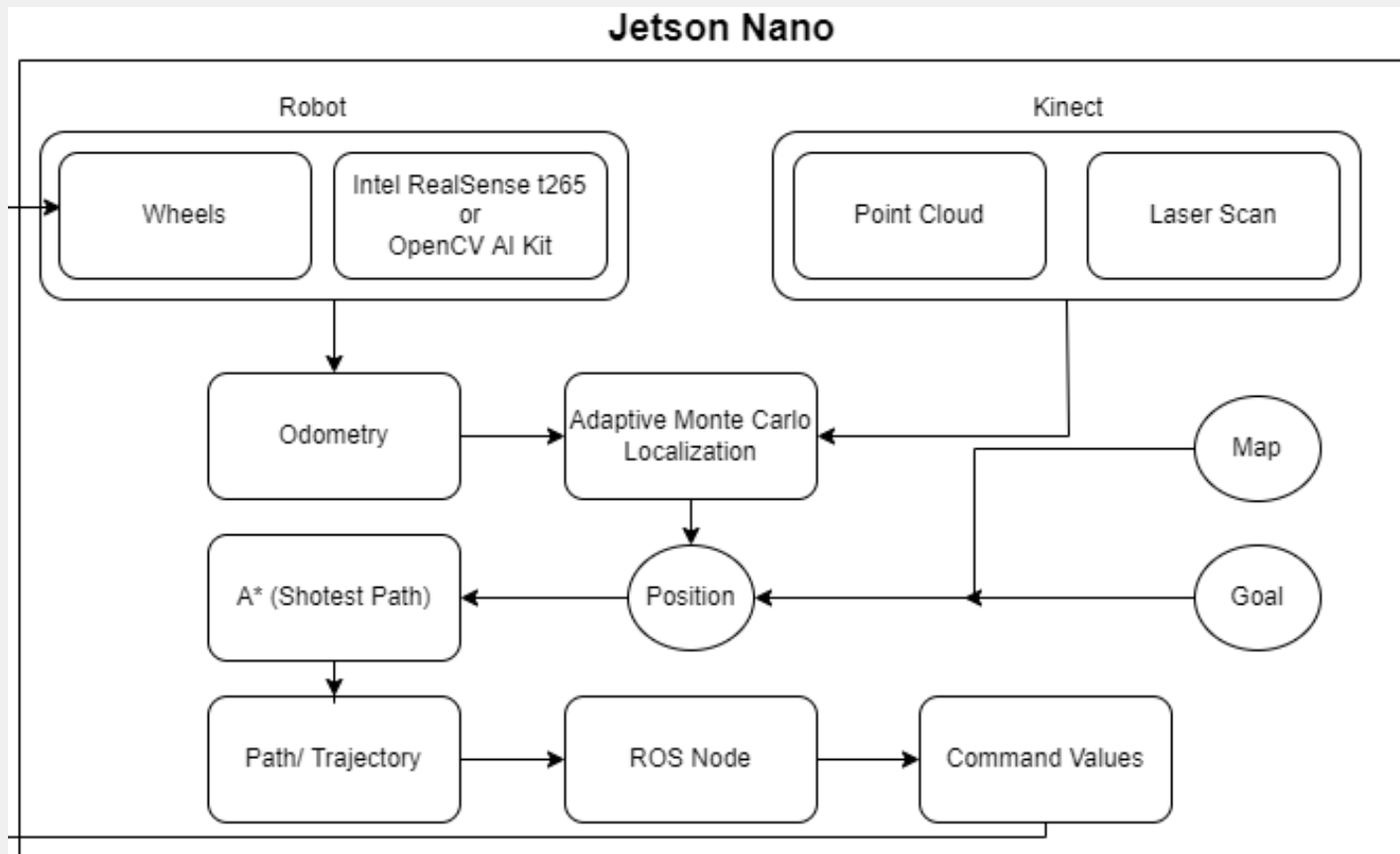
Overview

- System Architecture



Overview

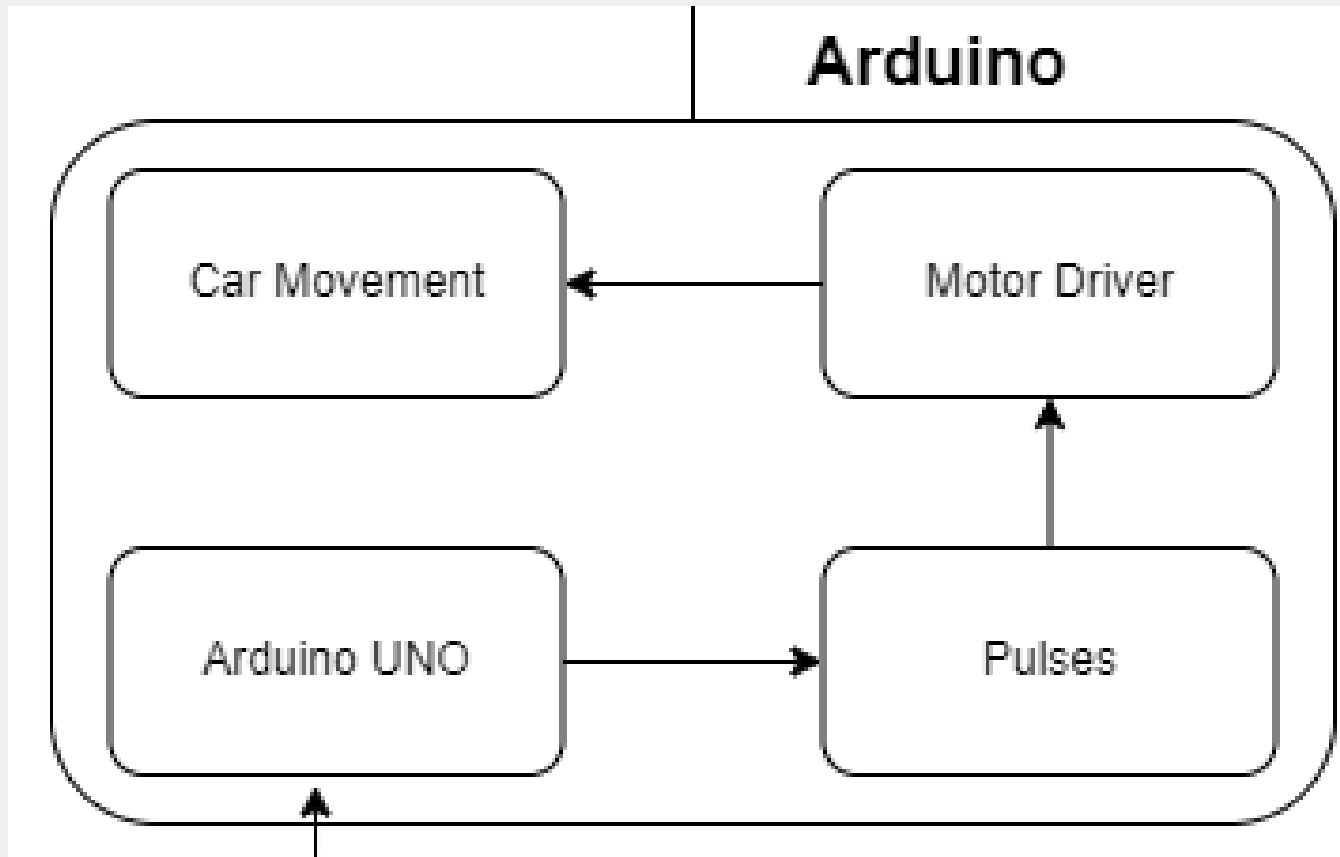
- **System Architecture (Jetson Nano)**



- **Robot will define odometry**
- **Environment will be defined by Kinect**
- **Command Values are transferred to Arduino by Jetson Nano**

Overview

- **System Architecture (Arduino)**



- **Command values will tell the Arduino to move in a certain direction.**
- **Movement is done by powering the gear motors using motor driver.**
- **New location will give the new odometry of the robot.**

Thank You