Final Project

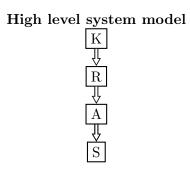
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Introduction

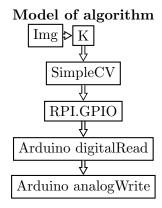
This report contains a detailed explanation of the Final project for the Marie Curie group.

Goals

- 1. Use an arduino to drive the servo controller
- 2. Use a raspberry pi 2 to do image processing with a kinect
- 3. Interface raspberry pi 2 and arduino
- 4. Implement some sort of behavior in the robot based on
- 5. Add mechanical support for shoulders



- \bullet K = kinect
- \bullet R = raspberry pi 2
- \bullet A = Arduino
- S = Servo controller



- Img = Image
- \bullet K = kinect
- RPI.GPIO = Python wrappers for controlling Raspberry Pi GPIO pins
- Arduino digitalRead = Arduino function to read if pin is high or low
- Arduino analogWrite = Arduino function for Pulse Width Modulation on capable pin