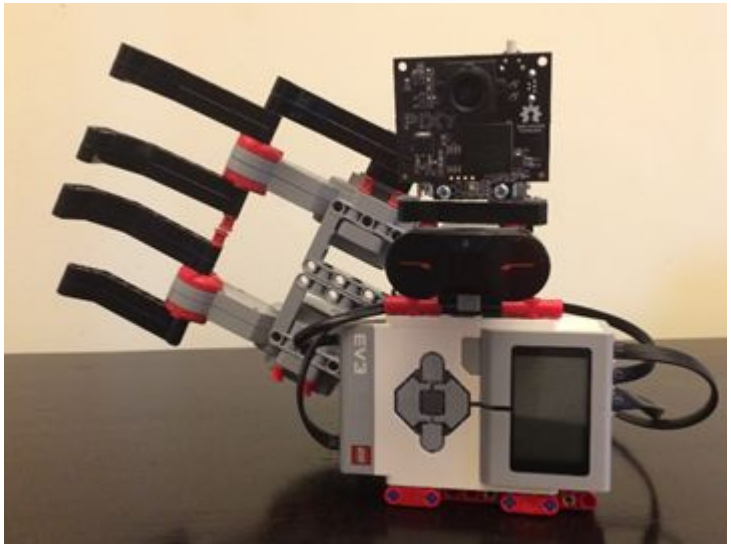
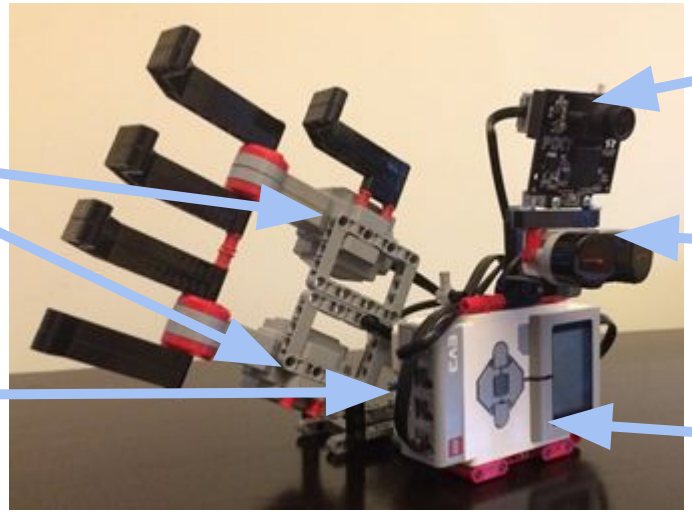
Janken Robot

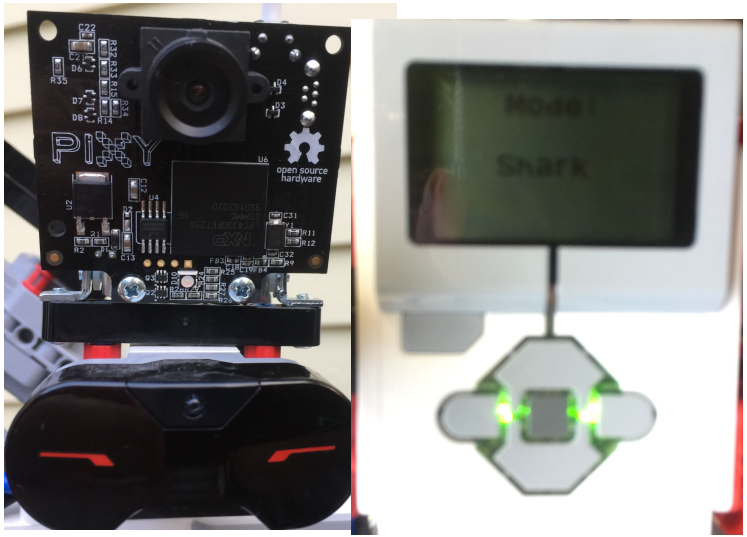


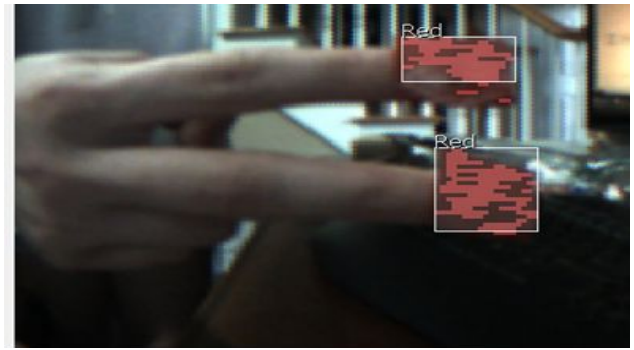
Rebecca Ashmore

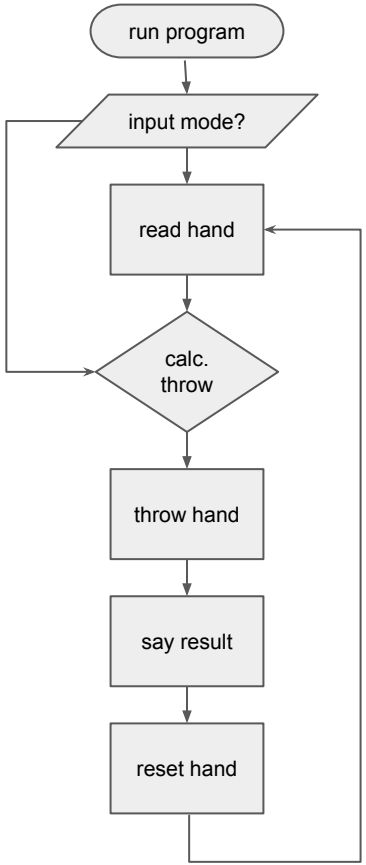
Overview

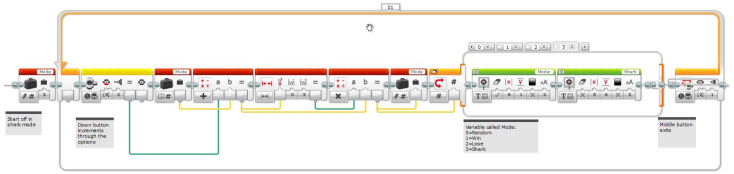

Large motors
Small motor
Pixymon camera
Proximity sensor
Intelligent brick

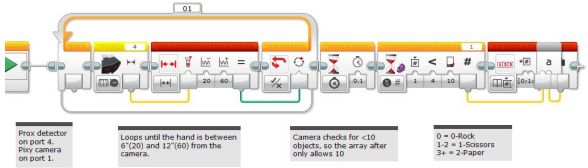
Main program - flowchart

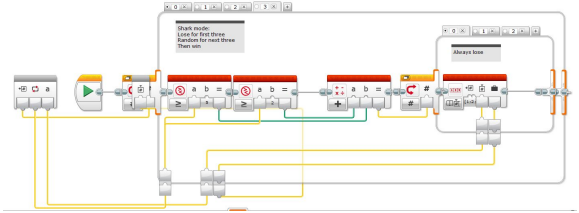


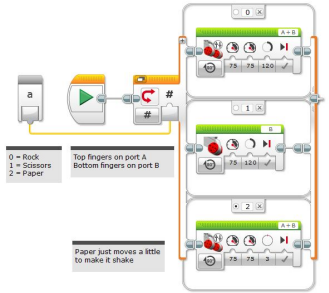


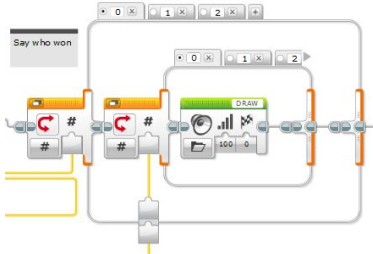




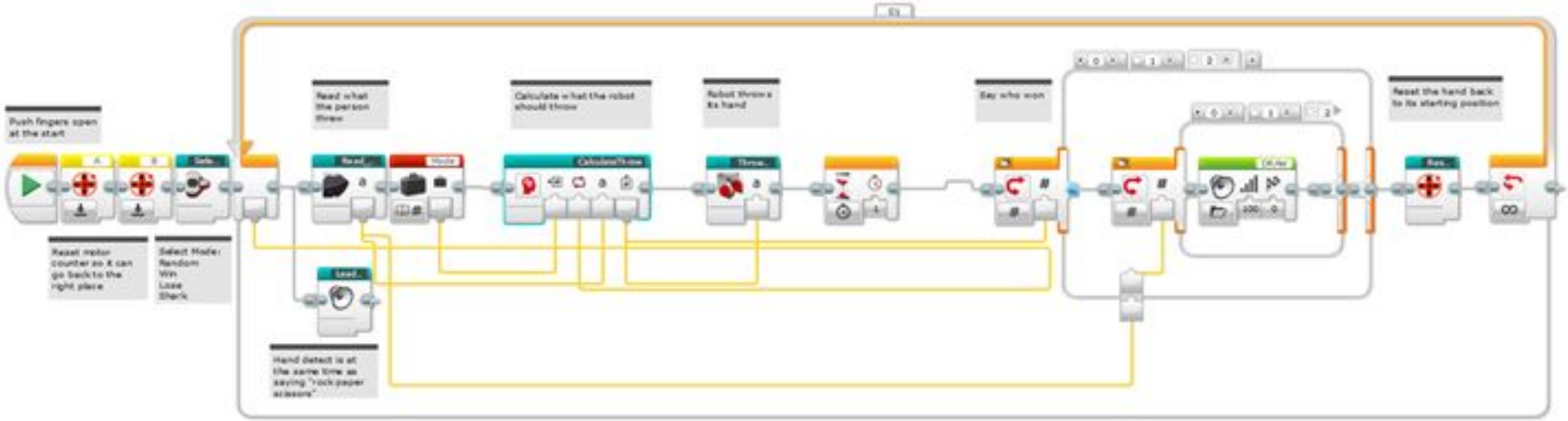




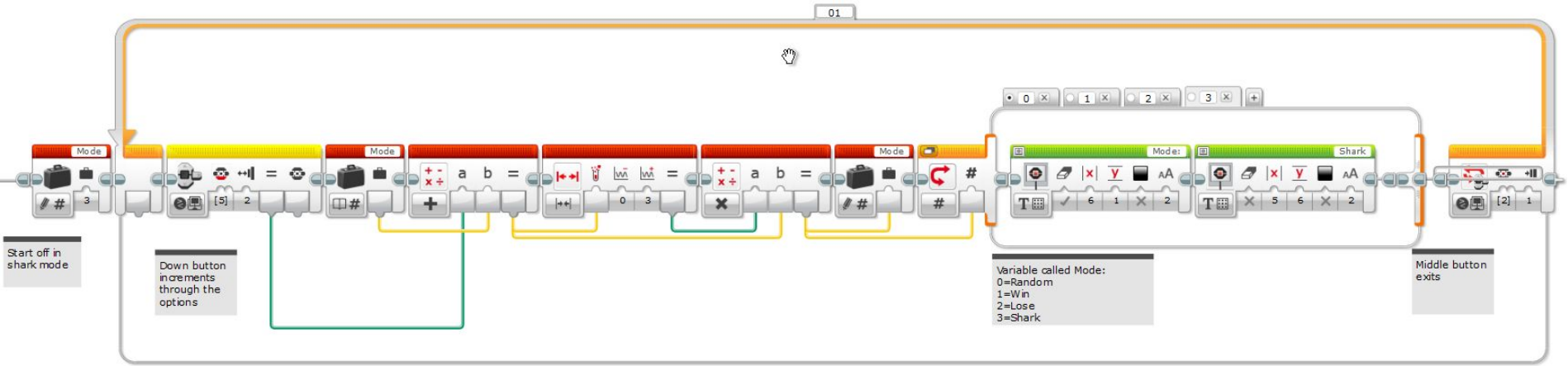




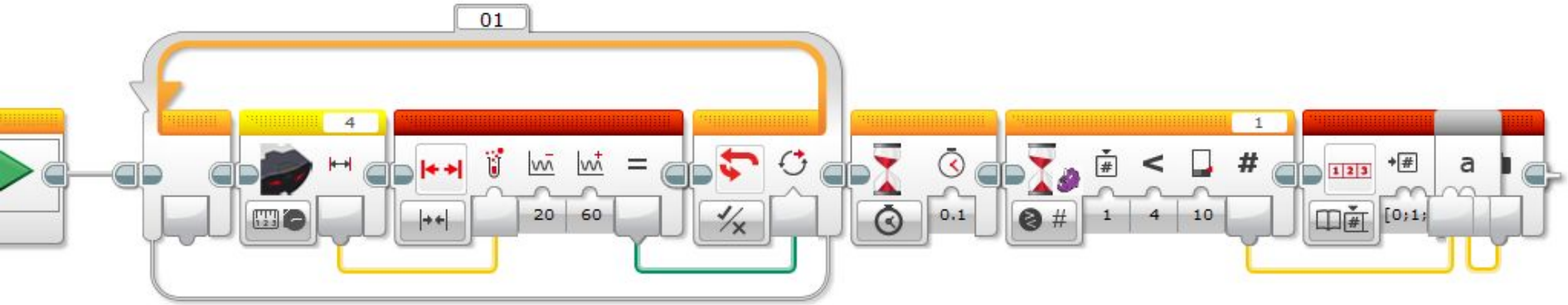
Main program - LabView



Set Mode module



Read hand module



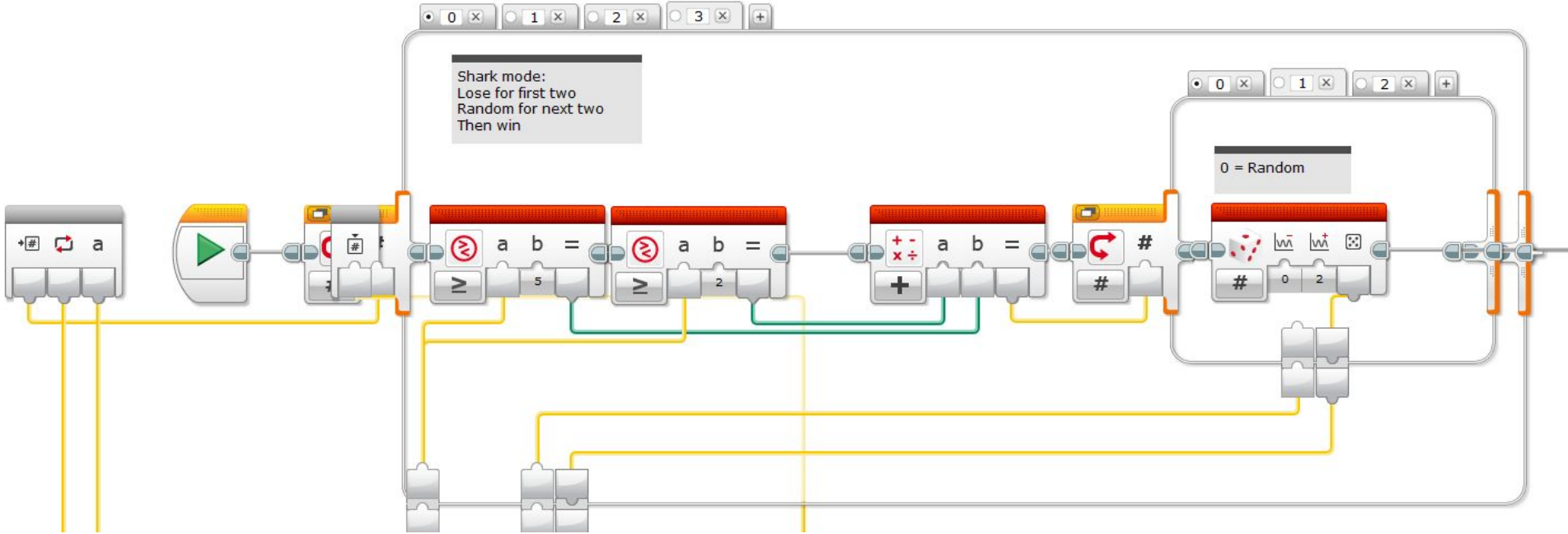
Prox detector on port 4. Pixy camera on port 1.

Loops until the hand is between 6"(20) and 12"(60) from the camera.

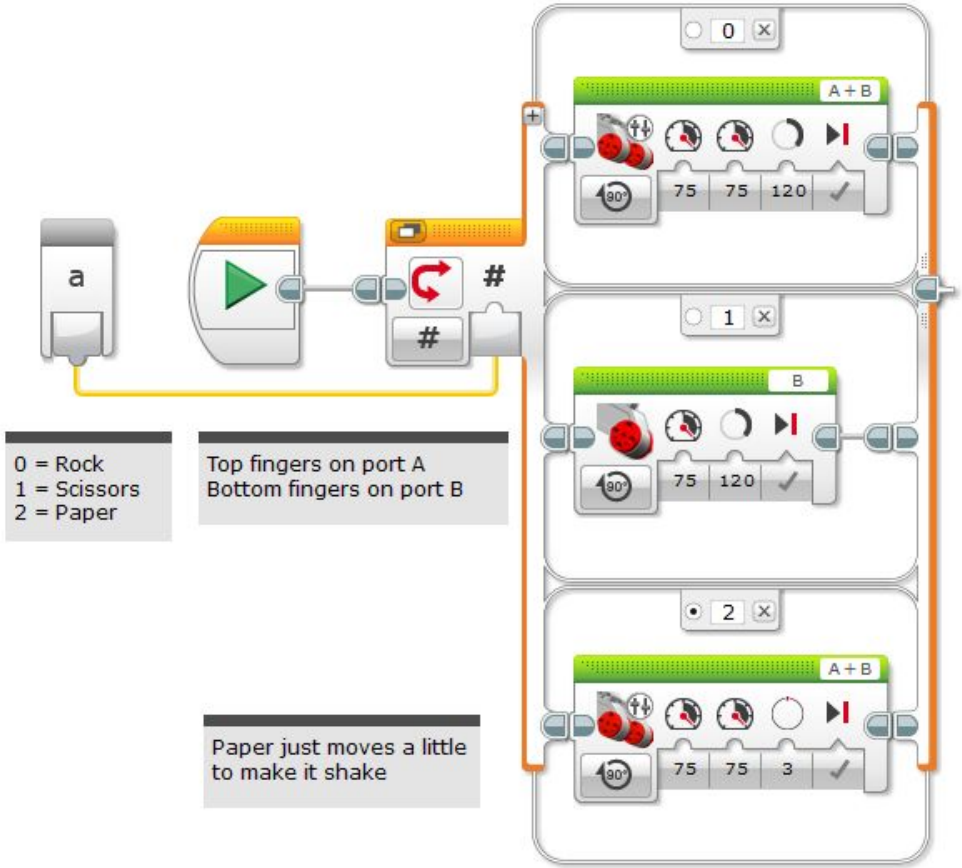
Camera checks for <10 objects, so the array after only allows 10

0 = 0-Rock
1-2 = 1-Scissors
3+ = 2-Paper

Brain module

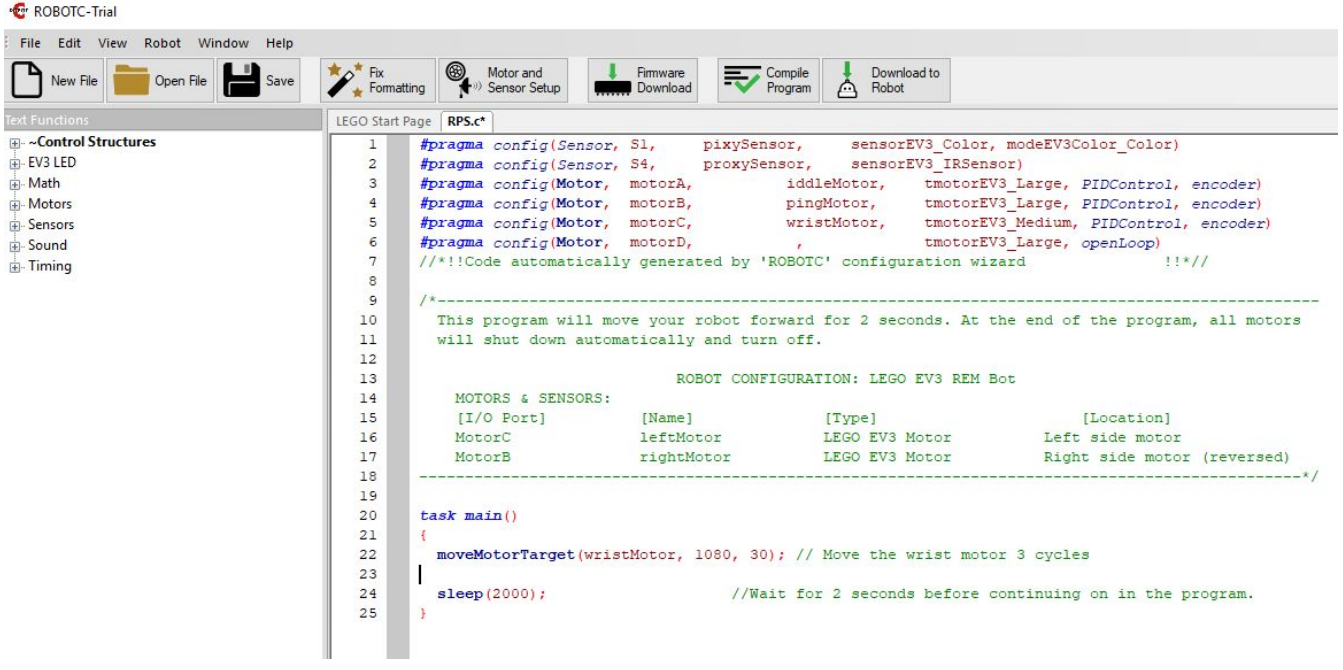


Throw hand module



RobotC

- RobotC is available on Mindstorms, Vex, Arduino
- Possible to re-write a simple version of this RPS program in RobotC



Robot in action