

Interactions with Python, Arduino and Kinect

Peter Kropf
pkropf@gmail.com
github.com/pkropf/exuro





Hardware





Arduino Uno Microcontroller

















Kinect



57° horizontal / 43° vertical field of view 640 x 480 infrared camera for depth 640 x 480 rgb camera for video 4 microphones array infrared projector 30 fps

Arduino

7-12V 14 (6 w/ PWM) ATmega328 40 mA 32 KB 2 KB 5V DC Current / I/O Pin Operating Voltage Analog Input Pins Digital I/O Pins Microcontroller Flash Memory Input Voltage Clock Speed EEPROM SRAM



Software







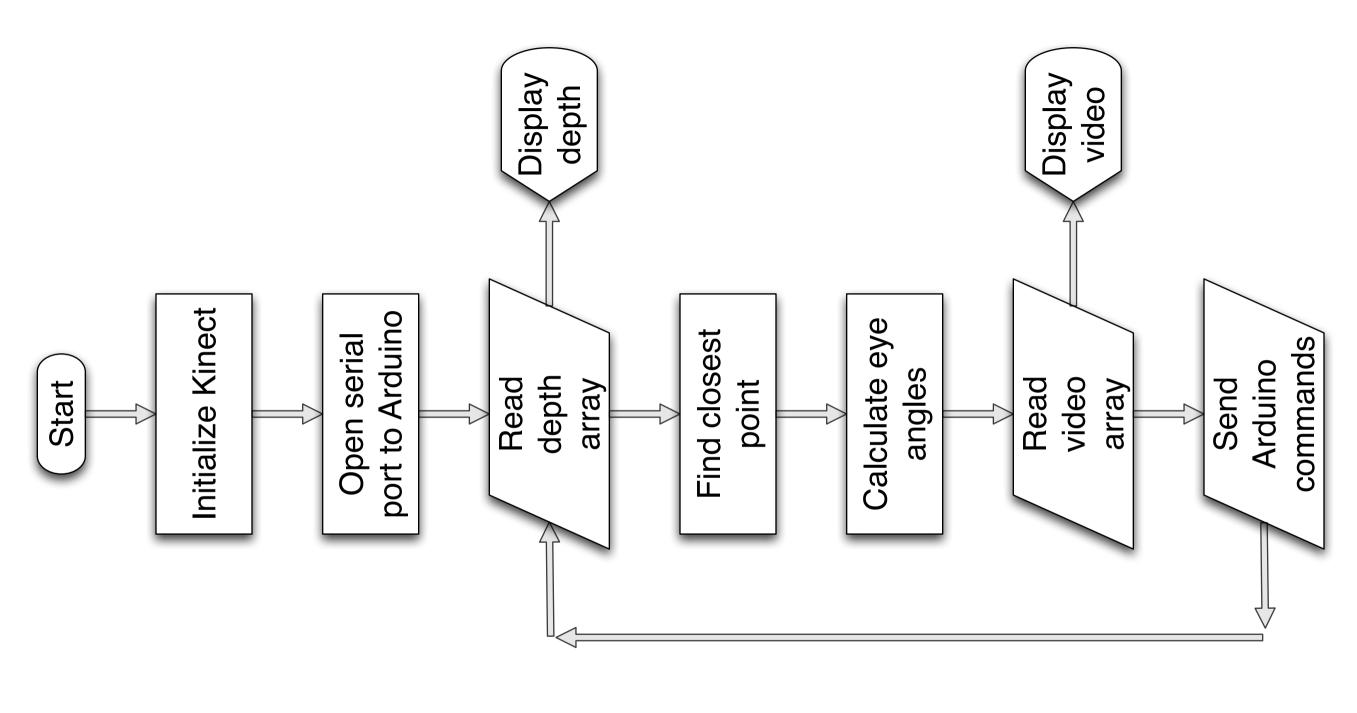








Computer / Arduino / Kinect Interaction



Arduino Flow

