



# Interactions with Python, Arduino and Kinect

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**github.com/pkropf/exuro**

Poofer!



recycled stainless steel.

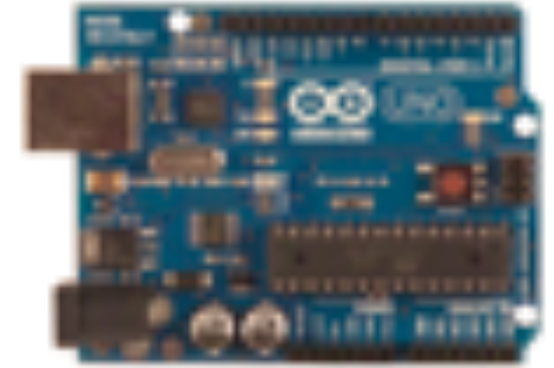
# Hardware



Computer



Kinect



Arduino Uno Microcontroller



Servo



Solid State Relay



Asco Solenoid Valve



Push Button Switch



Neon Transformer



Spark Plug



Propane Tank



Bill Acceptor

# Kinect



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

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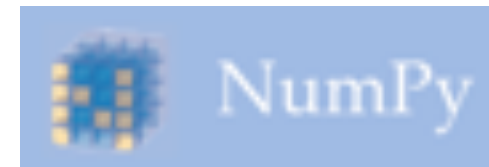
# Arduino



Microcontroller	ATmega328
Operating Voltage	5V
Input Voltage	7-12V
Digital I/O Pins	14 (6 w/ PWM)
Analog Input Pins	6
DC Current / I/O Pin	40 mA
Flash Memory	32 KB
SRAM	2 KB
EEPROM	1 KB
Clock Speed	16 MHz



# Software



# Computer / Arduino / Kinect Interaction

