Embedded Linux
Camera Stand Project

Group Members	Emails
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Tools:

- Camera (raspberry pi or usb web cam).....$20
- 3 motors 5V high torque Continuous motion 360deg.....$10 each
- Stand (3D printed?).....$20-$30
- Flex cable for Raspberry pi (cable extension).....$2

Operations:

- Streaming video (continuous feed)
- Buttons to control the motors from web page (possible Spherical button type)
- Database of program on raspberry pi.
- Creation of stand (can be through 3D printed or constructed in other materials)

Jobs:

- Camera video stream
- Motors moving 1 degree with the button press
- Web site setup
    - location of camera
    - button location
        - simple is just have 3 buttons for each motor/ direction
        - if possible have spherical button that will do multiple motors at once

- Creation of stand
    - 3D printed parts and assembled
    - Can be constructed through other materials
- Locations for raspberry pi on camera stand
- Write up and editing of the code and comments

Name	Degree	Experience	Job desired
Wagner, Mitchell	CE	hardware application, 3D printing	
Boston, Paul	CE	hardware application	
Da Costa Filho, Jose Serafim	CS	Software development in general	
Palsa, Charles	CS	Web site design	
Islam, Shamiul	CS/MINOR		

Other:

- Camera reset on web page
- If camera is from raspberry pi set up can be easier
    - See if professor has raspberry pi cameras??
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